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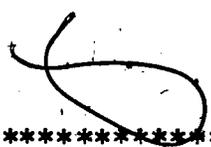
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ABSTRACT

The report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131 (b) of Part C of the Vocational Education Amendments of 1968. Eleventh in a series, the report covers the second six months of Fiscal Year 1975 and is designed to inform States of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort. A list of previous reports is included with an indication of their availability from the Educational Resources Information Center (ERIC). Sources of project abstracts are Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM) and Research in Education. The report is arranged alphabetically by State with information from American territories in a concluding section. Items listed for each reporting State or territory include: name of the Director of Vocational Education, name of the Research Coordinating Unit director, projects completed, new projects funded, research related activities, and projects and activities planned. A title or brief description of the project or activity and the name of the individuals or institution involved are given. (Author/MS)



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SEMIANNUAL REPORT

ON

STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

January 1, 1975 - June 30, 1975

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

*Office of Education*

*Bureau of Occupational and Adult Education*

*Office of Adult, Vocational, Technical,  
and Manpower Education*

*Division of Research and Demonstration*

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November 1975

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SEMIANNUAL REPORT

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STATE RESEARCH COORDINATING UNIT ACTIVITIES

FOR THE PERIOD

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
David Mathews, Secretary

Office of Education  
T. H. Bell, U.S. Commissioner of Education

Bureau of Occupational and Adult Education  
William F. Pierce, Deputy Commissioner

Office of Adult, Vocational, Technical, & Manpower Education  
Charles H. Buzzell, Associate Commissioner

Division of Research and Demonstration  
Howard F. Hjelm, Director

## FOREWORD

This report summarizes information received from State Research Coordinating Units (RCU's) regarding research activities conducted under Section 131(b) of Part C of the Vocational Education Amendments of 1968. This report covers the second six months of Fiscal Year 1975. The purpose of the report is to provide information that will assist States to be aware of research and development conducted by other States, thus facilitating exchange of information and reducing duplication of effort.

This Semiannual Report has been prepared by Larry Braaten, Chief, Demonstration Branch and Annette Miller, Program Assistant, Demonstration Branch, and typed by Diane M. Nuckolls, Secretary, Demonstration Branch. This is the eleventh in a series of reports on the activities of the State RCU's. The previous reports are listed below:

- a. Annual Report on State Research Coordinating Unit Activities for Fiscal Year 1970 (ED-053-293)
- b. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1970 to December 31, 1970 (ED-052-381)
- c. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1971 to June 30, 1971 (ED-067-463)
- d. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1971 to December 31, 1971 (ED-068-718)
- e. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1972 to June 30, 1972 (ED-076-781)
- f. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1972 to December 31, 1972 (ED-080-720)
- g. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1973 to June 30, 1973 (ED-099-681)
- h. Semiannual Report on State Research Coordinating Unit Activities for the Period July 1, 1973 to December 31, 1973 (ED-099-519)
- i. Semiannual Report on State Research Coordinating Unit Activities for the Period January 1, 1974 to June 30, 1974 (ED-107-838)

Copies of the above reports with assigned ED numbers can be obtained from the ERIC Document Reproduction Service.

Howard F. Hjelm  
Director, DRD

## INTRODUCTION

The RCU's have continued to provide the leadership for the State's R&D programs in vocational education. In providing this leadership, the RCU's have given assistance to State vocational agencies and personnel, graduate students, teachers and a variety of other interested parties. They have also played a major role in long-range planning and the development of vocational research priorities. One of the most important activities of the RCU's is the disseminating of the results of research. In addition to the operation of their own dissemination efforts, the RCU's are a vital part of the national network of contributors to the ERIC collection.

The Semiannual Report which follows is a compilation of State Quarterly Research Activity Reports covering the last two quarters of fiscal year 1975 which have been received from the states. Additional information on projects listed under the category of "new projects funded" may be located in the "Research Projects in Progress" section of Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM) published bi-monthly. Final reports of the "projects completed" are abstracted in the monthly issues of Research in Education and/or in the bi-monthly issues of AIM/ARM. All reported research projects administered by the State educational agency were included in this report, whether or not they were funded under Section 131(b) of Part C.

ALABAMA

T. L. Faulkner, State Director of Vocational Education  
Douglas Patterson, RCU Director

PROJECTS COMPLETED:

1. A Program Designed to Provide Occupational and Educational Placement Services for All Exiting Students of the Tuscaloosa County School System, Tuscaloosa County School System
2. Montgomery County's Approach to Career Education-Grades One through Twelve, Montgomery County Public Schools
3. Developing a Comprehensive Placement Program, Shelby Co. Board of Education
4. Career Education Project, Mobile County Public Schools
5. Cooperative Occupational Opportunities and Placement Program, Greene County Board of Education
6. Implementation of Career Education K-8 in the Phenix City Public Schools, Phenix City Bd. of Education
7. Fashion Merchandising Program, Montgomery Co. Public Schools
8. The Constitutional Convention for HOE Students and Secondary Teachers, John M. Patterson State Technical College
9. Threshold of Education Reform, Restructuring Agriculture for Inner-City Related Motivation and Accomplishment (TERRA FIRMA), Anniston City Schools
10. A Comparative Study of two Approaches to the Use of Distributive Education Competency-Based Learning System: Microfiche Versus Conventional Printed Copy, John M. Patterson State Technical College
11. Vocational Education Follow-Up, Auburn Univeristy

NEW PROJECTS FUNDED

1. A Comparative Study of two Approaches to the Use of the Distributive Education Competency-Based Learning System: Microfiche Versus Conventional Printed Copy, John M. Patterson State Technical College

Alabama

RESEARCH RELATED ACTIVITIES;

1. Developed 1975-76 State Plan for Vocational Education
2. Conducted study of local administrator roles
3. Developed manpower information and prognosis for 12 economic planning areas in Alabama to be used by local education agencies in planning vocational programs
4. Assisted in seven local planning endeavors for area vocational centers.
5. Provided Montgomery Housing Authority assistance in planning for training needs survey
6. Prepared occupational demand for the state by service area and by OE code
7. Assisted in conducting management by objectives training for area vocational center administrators
8. Assisted in conducting management by objectives training for state vocational education staff
9. Published vocational education facts in Alabama report
10. Prepared Division materials for Departmental brochure
11. Participated in National RCU Conference, National Part D Conference, Regional State Plan Development Conference, and Southwide RCU Conference
12. OIS proposal developed and submitted to NOIS for review. Project funded for first year at \$350,000 in June
13. Developed computer programs for an inventory system for Alabama Industrial Development Training
14. Prepared final report for Part C 131(a) entitled "Determination of the Most Effective Procedures for Implementation of School-Wide Junior High Career Exploratory Experiences and for the Placement and Follow-Up of All Exiting Students K-14"

PROJECTS AND ACTIVITIES PLANNED:

1. Prepare federal statistical, descriptive, financial and completions report and state statistical report

Alabama

2. Expand and develop Vocational Management Information System
3. Conduct secondary, adult; and employer follow-up
4. Train vocational teachers and administrators in the implementation and utilization of the management information system
5. Fund and coordinate six projects in local education agencies for further development of the comprehensive placement concept
- ✓ 6. Develop and distribute placement manuals for vocational teachers
7. Coordinate the management by objectives planning for the Division
8. Develop a model for post-secondary accounting and reporting
9. Participate in interstate Distributive Education Curriculum Consortium
10. Develop county vocational education informational planning packets

ALASKA

Richard L. Spaziani, State Director of Vocational Education  
Richard L. Spaziani, RCU Director

NO REPORT RECEIVED

## ARIZONA

Eugene L. Dorr, State Director of Vocational Education  
Beverly Wheeler, RCU Director

### PROJECTS COMPLETED:

1. Survey of Minority and Business and Support Programs, Arizona State University
2. Increasing Vocational Student Motivation and Retention, Eastern Arizona College
3. Career Opportunities in Home Furnishings Industry, Shadow Mountain High School
4. A Classroom Training Conference for Youth Leaders of Distributive Education, Washington High School
5. A Question to Determine the Adequacy of Vocational Information at Camelback High School as Perceived by 1974 Graduates, Camelback High School
6. I Will, Monument Valley High School
7. Comparison of Three Media Presentations of Selected Home Economics Related Occupations, University of Arizona
8. Development and Use of Challenge Exams for Clinical Laboratory, Nursing II, Part II, Pima Community College
9. A Model for Evaluation of the Distributive Education Program in Arizona, Arizona State University

### NEW PROJECTS FUNDED:

1. Career Opportunities in Home Furnishings Industry, Shadow Mountain High School
2. Self Instructional Materials for Improving Teachers' Competency in Writing Proposals for Research Mini-Grants, Northern Arizona University

### RESEARCH RELATED ACTIVITIES:

1. Conducted a follow-up on research grants funded since 1973
2. Surveyed State Career Education project personnel on their perceived service and information needs.

Arizona

3. Surveyed Community College Occupational Deans, as well as Area and County Vocational Education Coordinators as to their needs for proposal writing materials to assist their constituents

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PROJECTS AND ACTIVITIES PLANNED:

NONE

## ARKANSAS

Luther Hardin, State Director of Vocational Education  
Jack D. Nichols, RCU Director

### PROJECTS COMPLETED:

1. Hospitality Industry Management - (Certificate of Competence Program), Henderson State University-Arkadelphia
2. A Comparative Study of Alternative Methods and Techniques in Stenographic Training, Pulaski Co. School District-Little Rock
3. A Study to Validate the Follow-up of 1973-74 Vocational Graduates in the State of Arkansas, Educational Planning & Evaluation Services-Magnolia
4. Research and Development Project in Career Education, Russellville School District-Russellville
5. Twelve Local Action Oriented Research and Development Mini-Grants, Statewide
6. Arkansas World of Fashion, Conway Public School-Conway

### NEW PROJECTS FUNDED:

1. Development of Activity Based Learning Experiences to Support the Career Orientation Program in Arkansas, Pulaski County School District-Little Rock
2. Individualized Vocational Visual Media for Deaf Students, Arkansas School for the Deaf-Little Rock
3. Summer Project Exploration of Careers (SPEC), Russellville School District-Russellville
4. An Analysis of Characteristics of the Arkansas Unemployed with Implications for Vocational Education
5. A Model for Developing Alternative Administrative Strategies for Maximizing Comprehensive Vocational Program Planning and Evaluation, Arkansas Department of Education

### RESEARCH RELATED ACTIVITIES:

1. Initiate an optical scanning system for collecting, compiling and storing adult data

Arkansas

PROJECTS AND ACTIVITIES PLANNED:

1. Extern Program for Leadership Development
2. Professional Development for Vocational Personnel in Adult Education
3. Co-Training of teachers and aides working with students who have special needs
4. Inservice training for personnel involved in Research and Development projects.

## CALIFORNIA

Mr. Samuel L. Barrett, State Director Vocational Education  
Roland M. Boldt, RCU Director

### PROJECTS COMPLETED:

1. Project TRACE III-Statewide & Longitudinal Follow-up Studies of High School Graduates Using Sampling Techniques, Santa Barbara County
2. Industry Validated Performance Objectives, Sacramento County Office of Education
3. The Use of Needs Assessment on Improving the Utility of Community College Advisory Committees, San Jose CC District
4. Improving Occupational Student Follow-Up in California Community Colleges, Los Angeles CC District
5. Research Into Identification of Cultural Disadvantage as a Key Segment of a Vocational Student Information System, San Diego Unified School District
6. The Perceptions of California Vocational Agriculture Teachers Regarding the Bureau of Agricultural Education, Cal Poly State University
7. The Effects of Repetition and Alternating Levels of Practice on Learning to Typewrite, U.C.L.A.
8. A Study of the Scope and Sequence of Consumer Education K-Adult, University of Calif-Davis
9. The Measurement of Chicano Freshmen who are Preparing for Criminal Justice Career, San Jose CC District
10. A Survey of Community Attitudes Toward Occupational Education, Compton CC District
11. An Empirical Comparison Between the Gregg & the Laurie Shorthand Systems, Regents of U.C.L.A.
12. Calif Industrial Education Guide, CSULB.

### NEW PROJECTS FUNDED:

1. Vocational Education Data Management System for Rural Schools, Mendocino County

## California

2. Competency Based Curriculum - Business Marketing Careers, San Diego Unified School District
3. District Review of Vocational Education, Napa County
4. A Study of the Scope and Sequence of Consumer Education K-Adult, University Calif Davis
5. Perceptions of Calif Vocational Education Administrators & Manpower Planners on Area Vocational Planning, Modesto High School District
6. The Careers of Black Vocational Educators in California: An Analysis of Aspirations and Control Orientation, U.C.L.A.
7. Occupational Education Information Needs and Governance Patterns of Management Teams in Selected California Community Colleges, Monterey Peninsula CC District
8. Special Vocational Preparation and General Educational Development Planning Study, Ventura County CC District
9. Teaching Interpersonal Relationships Skills, Fremont Unified School District

### RESEARCH RELATED ACTIVITIES:

1. Activities during this period have been divided between two major areas of emphasis. One area has been the translation and implementation of research results into operational and/or pilot test programs. The other area has been helping agencies plan projects that coordinate with ongoing program activities and existing research projects.

### PROJECTS AND ACTIVITIES PLANNED:

NONE

COLORADO

William D. Woolf, State Director of Vocational Education  
Robert F. Barnes, RCU Director

NO REPORT RECEIVED

CONNECTICUT

Walter A. Bialobrzesk, State Director of Vocational Education  
Richard C. Wilson, RCU Director

PROJECTS COMPLETED:

1. A Survey of Community Resources and Employment Opportunities Having Implications for Programs of Vocational Agriculture in Connecticut: Phase II, School of Education University of Connecticut-Storrs
2. Evaluation of the Remedial Reading Program of the Connecticut Vocational-Technical Schools, Central Connecticut State College-New Britain
3. Career Education Program: Troup Middle School, New Haven
4. Project 70,001, Hartford
5. Alternative School, Waterbury
6. Career Guidance Program, Urban League of Greater Hartford
7. Career Education in Norwalk Public Schools, Norwalk

NEW PROJECTS FUNDED:

1. Study of Increased Use of Vocational-Technical Facilities, Peat, Marwick, Mitchell and Co.-Boston
2. A Survey of the Manpower Needs of Connecticut Business and Industry With Special Emphasis on the Development of a Computer-Based Model for Vocational-Career Information Delivery Systems, Connecticut Business and Industry Association-Hartford

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Development of a Master Plan for Vocational and Career Education in Connecticut
2. Implementation of the East Shore Career Education Center
3. Career Education Program: Troup Middle School
4. Career Education in Norwalk Public Schools

DELAWARE

Conrad C. Shuman, State Director of Vocational Education  
Rachael Schweitzer, RCU Director

PROJECTS COMPLETED:

1. Performance Based Self-Paced, Individualized Instructional System, Kent County Vocational Technical School District
2. About Face, Marshallton-McKean School District
3. Industrial Arts in the Elementary School K-5, Appoquinimink School District
4. Development of a Model Delivery System for Comprehensive Exploratory Program, Seaford School District
5. Vocational Curriculum Development, New Castle County Vocational Technical School District
6. Delmarva Career Education Project, Seaford School District
7. A Project to Provide Career Opportunities to Elementary Children in Kindergarten Through Grades Four in Awareness and Explorative Activities, Capital School District

NEW PROJECTS FUNDED:

1. Career Exploration Grades 7-9 Inclusive, Seaford School District
2. Computerized Guidance Information System, Department of Public Instruction
3. Delmarva Career Education Program, Seaford School District
4. World at Work, Capital School District
5. Vocational Technical Education Consortium of States, Department of Public Instruction
6. Industrial Arts in the Elementary Schools, K-5, Appoquinimink School District

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

NONE

DISTRICT OF COLUMBIA

Otho E. Jones, State Director of Vocational Education  
David White, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. "Career Mobile" - A Public and Student Relations Campaign designed to inform the laymen on vocational curriculum offerings and to recruit students into skill training programs.

RESEARCH RELATED ACTIVITIES:

1. Attended various conferences and workshops including the National RCU Director's Conference in Denver
2. Provided Monitoring and Supervision for "Career Mobile" project for Public and Students Relations Campaign which disseminates information & recruits students in the District
3. Conducted the Development of the State Plan
4. Prepared the Annual Statistical and Descriptive Report
5. Acquired and disseminated findings and materials requested.
6. Provided appropriate data and information to PROJECT BASELINE
7. Assisted EPDA Coordinator in Planning for staff-development activities related to State Planning
8. Served as task force member for the Implementation of MBO in Vocational Education in the District
9. Developed a proposal to field test Follow-up model of Vocational Education graduates
10. Established an RCU Resources Library
11. Provided consultant services or technical assistance to various divisional staff members
12. Began work with consultant group to develop a Manpower Information system which is part of a total Planning Project under Capital Budget Planning

District of Columbia

13. Prepared a Master Course list of Program offerings for Vocational Education in preparation for automation in conjunction with Data Processing Services Unit

PROJECT AND ACTIVITIES PLANNED:

1. Develop and Publish brochures and flyers for all service program and instructional program areas
2. Conduct a conference on the Elimination of sexism in Vocational Education in the District of Columbia
3. Conduct the development of the State Plan for 1977
4. Develop a Mini State Plan for 1977
5. Refine Placement Process for Vocational Education graduates
6. Hold a workshop on Preparation of Annual Fiscal and Statistical Reports
7. Prepare the Annual Statistical and Descriptive Report
8. Establish an automated information system on students and teachers

FLORIDA

Joe D. Mills, State Director of Vocational Education  
K. M. Eaddy, RCU Director

PROJECTS COMPLETED:

1. To meet third-party career education evaluation guidelines as specified by USOE, Sarasota County School Board-Sarasota
2. Third-party evaluation of the C/E program in Manatee County, Manatee County-Bradenton
3. Survey of LOOM Needs by District Schools, Florida State University-Tallahassee
4. To continue the reproduction and diffusion of LOOM throughout the State, Florida State University-Tallahassee
5. Pupil Personnel Services for Post Secondary Area Vocational-Technical Centers, University of Florida-Gainesville
6. To assist in the diffusion of Elementary Counselor Career Education Materials to Teachers and Counselors throughout Florida, University of Florida-Gainesville
7. Evaluation of Career Education Projects in Leon and Manatee Schools, University of West Florida-Pensacola

NEW PROJECTS FUNDED:

1. Coordinate Vocational Curriculum Development Activities, University of West Florida-Pensacola
2. Employment of a Dissemination Coordinator at Florida A & M University, Florida A & M University-Tallahassee
3. Funding for the Reproduction of Instructional Materials Developed by the G.R.O.W. Curricular Activity, Florida State University-Tallahassee
4. Funding for the Reproduction of the Instructional Materials Developed by the Employability Skills Curricular Activity, Florida State University-Tallahassee
5. Continuing Development of LOOM Materials, Florida State University-Tallahassee
6. Supplementary Funding; Major Curriculum Activities, FY 1974-75 Florida State University-Tallahassee

## Florida

7. Scoring Instruments Necessary to Conduct a Product Evaluation of the Leon County Career Education Project, Leon County School Board-Tallahassee
8. The Development of a Programmed Guide for Local Vocational Directors to use in Cost-Benefit Analysis, Florida State University-Tallahassee
9. Guide to Elementary Guidance and Career Education, and Development of In-Service Package for Implementation, Florida State University-Tallahassee

### RESEARCH RELATED ACTIVITIES:

1. Revision and implementation of Management by Objectives System including development of goals, missions statements, objectives and milestones for the bureau operation and for interdivisional responsibilities designed to this bureau
2. Made presentations to the following groups concerning bureau activities: (a) local administrators and community college deans, various vocational service areas and other interested groups, (b) teacher educators and division staff meetings
3. Implementation of the discretionary Part "C" research project for 1975-76
4. Attended and participated in the Spring Meeting of the Southwide Research Coordinating Council
5. Attended the National RCU Personnel Conference and prepared proceedings of program materials from the conference
6. Attended meetings of Division Bureau Chiefs, Vocational Administrative Council, D.O.E. Administrative Council and other council and committee meetings
7. Met with coordinators from curriculum network management centers and state coordination centers
8. Conducted a series of regional meetings in Florida on placement and follow-up for local school districts
9. Served on Board of Directors for V-TECS and participated in all Board activities
10. Participate in a USOE sponsored workshop to prepare individuals to become change agents

## Florida

11. Worked cooperatively on manpower information and placement and follow-up programs with state agencies and other interested groups, such as Department of Commerce, Department of Health and Rehabilitative Services, American Vocational Association, and National Advisory Council for Vocational Education
12. Worked with other state agencies to develop projects for curriculum management and occupational information systems
13. Served as special consultant to several task forces and committees, such as: (a) State legislative committees, (b) State Awards Committee, (c) curriculum advisory committees, (d) Title V ESEA Committee
14. Prepared research and exemplary components of the annual descriptive report for Florida
15. Reviewed, recommended and monitored the managerial aspects of research, exemplary, evaluation and dissemination projects funded in the State
16. Provided consultative and technical assistance to projects in progress
17. Responded to requests for information including preparation of journal articles and newsletters
18. Continued to develop guidelines for review of dissemination systems
19. Coordinated the development of contracts for the Vocational Division, Department of Education
20. Attended meeting in Dallas, for the purpose of exemplary project progress reports and updating for other discretionary projects
21. Coordinated the establishment of FY 75 research and exemplary discretionary projects
22. Prepared amendments to the discretionary research and exemplary projects
23. Monitored discretionary research and evaluation projects
24. Provided information to National Academy of Sciences study and Project Baseline study of discretionary research and exemplary projects

## Florida

25. Closed out 1973 and 1974 career education models
26. Prepared the Statewide program of work for research, exemplary evaluation and dissemination activities
27. Assisted in conducting a Statewide Advisory Council Workshop
28. Conducted site visit to discretionary research and exemplary projects
29. Prepared and submitted proposals for bilingual vocational and career education fundings
30. Attended a forms management workshop
31. Assumed various responsibilities for professional organizations
32. Assisted regional accrediting agency to evaluate several schools
33. Prepared information and gave testimony for Legislative Committee
34. Served on AVA - 1976 Yearbook Steering Committee
35. Coordinated the dissemination of some R&D project products

### PROJECTS AND ACTIVITIES PLANNED:

1. Establish and continue projects operating through the U. S. Commissioner's discretionary share of research and training and exemplary funds
2. Prepare specifications and initiate research and exemplary projects for 1975-76
3. Continue development of a diffusion/dissemination model for the Vocational Division
4. Establish new research and exemplary projects funded through state administered monies
5. Continue developmental activities for: (a) placement and follow-up, (b) career education, (c) curriculum, (d) program standards, (e) management by objectives for research and evaluation bureau
6. Continue liaison and coordination of vocational research and development efforts in and out of state

GEORGIA

Russell S. Clark, State Director of Vocational Education  
Paul C. Scott, RCU Director

PROJECTS COMPLETED:

1. Cadet Teacher Project, Carroll Co., GA Cobb Co.
2. Arnold Project--Evaluation in Conjunction with State Advisory Council, Atlanta

NEW PROJECTS FUNDED:

1. ETS Teacher Assessment Project, Atlanta
2. Planning Grant for an Alternative Comprehensive High School, Glynn Co.

RESEARCH RELATED ACTIVITIES:

1. Continued membership in the nine-state V-TECS Consortium
2. Prepared a proposal for the development of a comprehensive dissemination model
3. Previewed commercial curriculum materials for possible use in career and vocational education programs
4. Worked with local school systems in the development of proposals
5. Designed and conducted a curriculum needs assessment for vocational education
6. Developing plans for a systems approach to curriculum development for statewide use
7. Worked with local supervisors of vocational education programs to develop their skills in preparing their own teachers to implement the individualized instruction system developed with Part C, 131b funds
8. Conducted workshops concerned with career and/or vocational education

PROJECTS AND ACTIVITIES PLANNED:

1. Vocational Teacher Assessment Project

Georgia

2. Expand competency based certification/teacher education project
3. Diffuse an adult guidance project
4. Develop a student assessment/preadmissions program for post-secondary vocational technical schools
5. Mini-grants for small project development

HAWAII

Samson S. Shigetomi, State Director of Vocational Education  
Sybil Kyi, RCU Director

PROJECTS COMPLETED:

1. Hawaii Career Development Continuum K-14, University of Hawaii, College of Education-Honolulu
2. Management and Program Data System Development, Hawaii State Department of Education-Honolulu
3. Teacher Education Center for Pre-Industrial Preparation Program--Konawaena High School, Hawaii School District, Hawaii State Department of Education-Kealahou
4. Electronics in the Pre-Industrial Preparation Program--Aiea High School, Central School District, Hawaii State Department of Education-Aiea
5. Career Guidance Center for the Introduction to Vocations Program--Roosevelt High School, Honolulu School District, Hawaii State Department of Education-Honolulu
6. Curriculum Guide for Hospitality Education, Part I, Kapiolani Community College, University of Hawaii-Honolulu
7. Articulation Among and Between Public Secondary and Post-Secondary Institutions in Hawaii, Office of the State Director for Vocational Education, Special Federal Programs Project-Honolulu

NEW PROJECTS FUNDED:

1. Hawaii Industry-Occupation Employment Projection Module, Office of the State Director for Vocational Education, University of Hawaii, Human Resources Planning Institute-Seattle

RESEARCH RELATED ACTIVITIES:

1. Vocational education program-planning in Comprehensive Employment and Training Act (C.E.T.A.) activities (vocational education non-financial agreements under Title I of the C.E.T.A. Act)

PROJECTS AND ACTIVITIES PLANNED:

1. Follow-up of Secondary and Community College Vocational Education Graduates, FY 1975 (continuing series of annual follow-up surveys)

Hawaii

2. Follow-up of Community College Non-continuers in Vocational Education Programs
3. A Longitudinal Follow-up of Vocational Education Graduates

IDAHO

Roy D. Irons, State Director of Vocational Education  
Scott Anderson, RCU Director

PROJECTS COMPLETED:

1. Home Economics related occupational program (R-7), Nampa High School District#131-Nampa

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. Developed resource library, and disseminated research information.
2. Compiled statistical and placement reports
3. Participated in review of exemplary projects
4. Provided in-service training for use of VIEW system
5. Developed model of a comprehensive Occupational Information System

PROJECTS AND ACTIVITIES PLANNED:

1. Updating VIEW System information
2. Develop student follow-up procedure
3. Coordinate management information system development

## ILLINOIS

Sherwood Dees, State Director of Vocational Education  
Ronald D. McCage, RCU Director

### PROJECTS COMPLETED:

1. Career Education Resource Laboratory, Eastern Illinois University-Charleston
2. Assessment of the Status of Career Education Supported by the DVTE in Illinois, Tadlock Associates, Inc., Los Altos, CA
3. A Design for a Regional Occupational Education Coordination Council, Northwestern University
4. Vocational Programs for Disadvantaged Students in Illinois, Southern Illinois University-Carbondale
5. Survey of Governmental Agencies to Determine Job Related Training Needs, Western Illinois University
6. Implementation and Field Testing of the Adult Vocational Education Model Program, Thornton Community College
7. An Exemplary Program in Occupational Education for the Veteran, Control Systems Research, Inc., Chicago
8. Career Education for the Handicapped, Springfield School District #186
9. To Develop and Demonstrate a Heavy Equipment Program in Occupation and Maintenance for High School Students, Edwards County Community Unit School District #1
10. Comparative Analysis of Cooperative Education and WECEP Programs, Southern Illinois University-Carbondale

### NEW PROJECTS FUNDED:

1. Tri-County Career Education Project, Tri-County Industry-Education-Labor Council, East Peoria
2. An Assessment of the Utilization of "Part C" and "Part D" Research and Development Funds in Illinois
3. Production of Multiple Copies of Career Education Film, Southern Illinois University-Carbondale

## Illinois

4. A Proposal to Operationalize An Exemplary Demonstration Center for Sequential Programs in Occupational Education, Chicago Public Schools Morgan Park High School

### RESEARCH RELATED ACTIVITIES:

1. East St. Louis Career Education Project, East St. Louis, East St. Louis School District #189
2. Third Party Evaluation of Six Career Education Projects, Tinley Pk., Illinois/Success Research Consultants, Inc.
3. Production of Multiple Copies of a 15-30 minute 16mm Sound Film Based on Illinois Developments in Career Education, Carbondale, Illinois/SIU/C
4. Multifarious, Student Based, Management Information System, Springfield, Illinois/DVTE-RDU -
5. CIOEDC Project, Site A, Joliet, Illinois Elementary Secondary and Joliet Junior College District/Joliet Twp. HS District #204
6. CIOEDC Project, Site B, Toledo, Illinois Cumberland High School & Junior College/Cumberland Unit School District #77
7. CIOEDC Third Party Evaluator, Minneapolis, Minnesota Educational Management Service Inc.
8. CIOEDC Project Headquarters - Research and Development Unit, Division of Vocational and Technical Education, Springfield, Illinois, Illinois Board of Vocational Education and Rehabilitation
9. Career Education Resource Laboratory, Charleston, Illinois Eastern Illinois University

### PROJECTS AND ACTIVITIES PLANNED:

1. The Feasibility of Establishing an Area Service Center for Providing Materials Acquisition and Distribution Resource Services in a Metropolitan Area
2. Research and Development Exploratory Series: Analysis of Selected Issues in Career and Vocational Education
3. To Develop a Diffusion-Oriented, Ancillary Service to Expand Occupational Education Training Opportunities and/or Occupational Information for the Veteran

## Illinois

4. The Development and Initial Pilot-Testing of a Delivery System for a Bilingual Consumer and Homemaking Education Program
5. The Identification of Pre-Cooperative Education Needs and Development of Processes/Techniques for Aiding Students With Special Needs in Special Cooperative Education Programs
6. Validation and Field Testing of an Instrument to Determine Career Readiness in the Elementary School, Southern Illinois University-Edwardsville
7. Refinement and Implementation of a Model Placement Center System for Adoption and use by Community Colleges and High Schools, Triton College
8. The Collection/Processing/Analyzing of Manpower Demand Data on Occupational Education Teachers, Western Illinois University
9. Implementation of a Construction Curriculum and Skill Development Procedures, Chicago United-Chicago
10. Refinement Validation and Field-Testing of Materials and Programs for Teaching Occupational Survival Skills, University of Illinois
11. Refinement and Validation of Activities Designed to Broaden the Scope of Involvement of Young Women in Occupational Education, Steiger, Fink & Smith, Inc., McLean, VA
12. Development of Materials Related to Critical and Creative Thinking and Career Education (TACE), National College of Education, Evanston, IL
13. Validation and Field Testing of an Action Research Model for Classroom Teachers, Roosevelt University, Chicago, IL
14. Project SAMPLE, Chicago Public Schools, Morgan Park High School

## INDIANA

Don K. Gentry, State Director of Vocational Education  
Edgar Hornback, RCU Director

### PROJECTS COMPLETED:

1. An Identification of Employment Patterns and Analysis of Factors Influencing the Earning of Indiana High School Vocational Graduates, Purdue University
2. A Project to Promote the Needs of Vocational Education, Indiana Department of Public Instruction
3. Develop a Pre-Vocational Program for Freshmen Students in a Comprehensive Area Vocational School, Hammond School City
4. A Mini-Grant to Develop a Slide Presentation of Plant Specimens for Use in Vocational Horticulture, Evansville-Vanderburgh School Corporation
5. Exemplary Cosmetology Program, M.S.D. of Washington Township
6. Mini-Project to Develop an Individual Instruction Mode for the Course, Vincennes University
7. Intensive Office Laboratory Follow-Up and Evaluation Parts I-III, Indiana State University
8. The Development of Model Follow-Up Instrument and Computerized Procedure Applicable to High or Post-High Utilization, Vincennes University

### NEW PROJECTS FUNDED:

1. Determination of the Employment and Educational Plans, and the Occupational Choices of Seniors in Indiana High School: Class of 75, Purdue University
2. Postsecondary on-Site Evaluation Visits for Public Postsecondary Institutions, Indiana Vocational Technical College
3. Implementation of Career Development Program, School Town of Highland
4. C.O. - H.O.M.E. (Career Occupational Home Living Opportunities Through Mobile Education), Garrett-Keyser-Butler
5. Dissemination of Locally Developed Career Education Units and Resource Guide, Franklin Community School Corporation

Indiana

6. A Career Consultant Program, Rogers High School
7. FEAT Fire Education and Training, Michigan City Area Schools
8. Innovative Projects Involving New Approaches to Vocational Education Implementation of a Guidance Program County-Wide with Emphasis on Counseling, Placement, and Follow-Up for Selective Service Target Groups, Porter County Schools
9. Development and Field Testing of Audio Visual Material for Thirteen Units of Leadership Instruction, Purdue University
10. Identification of the Occupational Competencies Needed in the Area of Agri-Chemicals, Purdue University
11. A Dissemination System for the Indiana Research Coordinating Unit, Indiana University
12. Development of a Health Occupations Continuing Education Center, Evansville-Vanderburg School Corporation
13. A Plan for the Research Development and Implementation of a Comprehensive Health Occupations Education Program; Newcastle Community School Corporation
14. Continuation of Strategies for a Placement Service at the LEA Community Level and a Continuation of a Follow-Up Model Applicable to Local and State Needs Which Will Assist Each in Local and/or State Planning, New Albany-Floyd Co. Consolidated School Corporation
15. Changing Trends in the Plans of High School Seniors: Comparisons in the Educational Employment and Occupational Plans of the Seniors in Indiana High School Classes of 1966, 69, 72, and 75, Purdue University
16. D.E. Teacher Education Consortium for Personal Contact In-Service Follow-Up of First Year and Second Year D.E. Teacher-Coordinator and Preparatory D.E. Teachers, Indiana State University
17. A Pilot Project to Develop Work-Infused Experiences for Mathematics Instruction, Elkhart Community School Corporation
18. Griffith High School Career Education Pilot Project, Griffith Public School
19. The Development and Validation of a Vocational Interest

## Indiana

Survey Instrument with Audio Visual Format, Penn-Harris-Madison School Corporation

20. Assessment & Evaluation of the Public's Perception of Vocational Education in Indiana, Purdue University
21. The Development of a Competency Based, Multi-Occupational System for Flexible Vocational Education Programming, Carmel Clay School Corporation
22. Development & Implementation of an In-Service Training Program for Curriculum Development in an Area Vocational School, South Central Area Vocational School
23. Development of a Generalization Evaluation Model for Vocational Teacher Education Programs in Indiana, Indiana University
24. Development of a Generalization Evaluation Model for Vocational Teacher Education Programs in Indiana, Purdue University

### RESEARCH RELATED ACTIVITIES:

1. Implementation of a Project to Develop an Improved State Management Information System Through Regional Planning

### PROJECTS AND ACTIVITIES PLANNED:

1. Research Advisory Committee Review Research Priorities-Request for FY 1976 Proposals-Visitation of FY 1975 Projects

## IOWA

William O. Schuermann, State Director of Vocational Education  
Kenneth M. Wold, RCU Director

### PROJECTS COMPLETED:

1. Population/Enrollment Trends in Iowa and Their Implications for Iowa's Area Schools, Kirkwood Community College-Cedar Rapids
2. Population/Enrollment Trends in Iowa and Their Implications for Iowa's Area Schools. (Extension), Kirkwood Community College-Cedar Rapids
3. The Identification, Analysis, and Validation of Resource Materials for Occupational Preparation and Training in Photo-Offset Lithography, University of Northern Iowa-Cedar Rapids
4. Career Needs Assessment for Merged Area II, North Iowa Community College-Mason

### NEW PROJECTS FUNDED:

1. Career Needs Assessment for Merged Area IV, Northwest Iowa Vocational School-Sheldon
2. Assessment of Employment Opportunities in Family and Community Services in Area XV, Indian Hills Community College-Ottumwa

### RESEARCH RELATED ACTIVITIES:

1. Worked with individuals interested in preparing proposals for research and exemplary projects
2. Visited with project directors and staffs to review and assess the progress of research and exemplary projects and to consult with regard to continuation of these projects
3. The Career Education Research Advisory Committee members met to review research proposals
4. The State Plan for the Administration of Career Education in Iowa, FY 1976, was prepared and forwarded to the Region VII Office of Education for approval.
5. Staff disseminated findings of research and exemplary projects
6. Continued to develop a file of competency studies for use by state consultants in assisting local educational agency personnel in the development of curriculum materials

7. Staff continued to encourage research proposal development by local education institutions including area schools
8. Cycle II of the Career Education System (CENIS) is nearing completion. Surveys for all four components (labor demand, labor supply, student interest, and three-year follow-up) have been completed. Data analysis and the building of estimates from sample data are currently in progress. CENIS results will be used in program planning and in updating an Iowa Program Priority Area listing.
9. Developed a system for establishing research and exemplary priorities for fiscal year 1976. Solicited input from Iowa local school, area school, and university staffs regarding questions and problems to be investigated and ideas for career education exemplary projects. With aid of Career Education Research Advisory Committee, established a priority ranking of items to be undertaken during fiscal year 1976.
10. Analyzed and summarized income tax and social services data and incorporated them into a publication pertaining to low income individuals in Iowa school districts and counties.

**PROJECTS AND ACTIVITIES PLANNED:**

1. Progress of on-going research projects will be ascertained by means of a self-evaluation instrument and through follow-up visits.
2. Revision of the Career Education Handbook to supplement the state plan will begin during this period
3. The Career Education Research Advisory Committee will meet to review research proposals
4. Consultative assistance will be provided to proposal initiators and directors of research and exemplary projects
5. The Annual U. S. Office of Education Statistical, Fiscal, and Descriptive Report of Activities for Fiscal Year 1975 will be prepared and submitted.
6. Upon approval of the U. S. Office of Education, will print and disseminate the State Plan for the Administration of Career Education, FY 1976
7. Staff will continue to disseminate appropriately the findings of research and exemplary projects.

Iowa

8. Staff will continue to stimulate interest in additional research and exemplary undertakings.
9. Staff will update an Iowa Program Priority Area listing for use in planning program direction at local and area levels

KANSAS

John E. Snyder, State Director of Vocational Education  
Wilbur A. Rawson, RCU Director

NO REPORT RECEIVED

## KENTUCKY

Carl F. Lamar, State Director of Vocational Education  
Robert M. Schneider, RCU Director

### PROJECTS COMPLETED:

1. Printing and Disseminating Career Education Documents, University of Kentucky-Lexington
2. Development of Competency Based Examinations for Practical Nursing Program Challenge, Bureau of Vocational Education-Frankfort
3. Development of Performance Objectives and Criterion Referenced Measures for V-TECS Project Areas, University of Kentucky-Lexington
4. Third Party Evaluation for Hazard Career Education Region 12, SACS-Atlanta
5. Distributive Education Curriculum Project-Phase II, University of Kentucky-Lexington
6. Validation of Curriculum Guides Objectives, College of Education University of Kentucky-Lexington
7. Career Education for Region 12 (Hazard), Kentucky Valley Educational Cooperative-Hazard
8. Developing Mini-Lessons on Video Tape for Use in Units of Instruction for Child Day-Care Center Personnel, University of Louisville-Louisville
9. Innovative Program for Achieving the Goals of Education in Human Relations and Occupational Competency, Owensboro/Daviess Co. School System-Owensboro

### NEW PROJECTS FUNDED:

1. Continuation To: A Field Trial and Analysis of Selected Occupational Guidance Activities with Counselor In-Service Education, Western Kentucky University-Bowling Green
2. Identification of Professional Competencies Needed by Vocational Administrators in Kentucky, Eastern Kentucky University-Richmond
3. Continuation to: Two Hour Vocational Classes at Laurel County Area Vocational School, Region 13, Barbourville

## Kentucky

4. Continuation to: Vocational Education Public Information Program for the Pennyrile Region, Region II, Madisonville
5. Postsecondary Vocational Education Students in Kentucky: An Analysis of Variables Associated With Their Involvement in Two Types of Institutions, Bureau of Vocational Education-Frankfort
6. Continuation to: Mining and Reclamation Cooperation Education Program, Madisonville Community College-Madisonville
7. Placement and Follow-Up Model, Region IV, Western Kentucky University-Bowling Green
8. Competency Based Program Development in Vocational Education, Curriculum Development Center, University of Kentucky-Lexington
9. Articulation Project for Allied Health, Murray State University-Murray
10. Continuation to: A Triangular Teaching Process in Mass Communication, Daviess County-Owensboro

### RESEARCH RELATED ACTIVITIES:

1. The Kentucky RCU recently completed a state-wide survey to determine the top research, exemplary and dissemination needs in vocational education in Kentucky. The findings of this study were used to develop the 1975-76 research, exemplary and dissemination priorities with RFP's being used to secure proposals relating to these priorities.
2. The Kentucky RCU staff conducted the first of what is anticipated to be a series of mini-conferences. These conferences are to be one day in length and are to relate to one central theme covering several funded projects. The first mini-conference related to career education research projects with approximately 90 participants from across the state being present.

### PROJECTS AND ACTIVITIES PLANNED:

1. The Kentucky RCU plans to fund a third party to conduct an impact study of the past R&D activities of the Kentucky RCU. Hopefully, this study will determine impact, evaluate present practices and policies and provide suggestions for future activities and administrative procedures.

Kentucky

2. The RCU staff is completing the writing of a guide for developing proposals and writing progress and final reports.
3. The RCU staff plans to conduct a series of three workshops to assist the directors of funded projects. The first workshop is to be held during the first quarter of the fiscal year and relate to start-up project management. The second workshop is to be held during the third quarter and relate to the development of dissemination materials and activities. The third workshop is to be held early in the fourth quarter and relate to the development of final reports and project termination.
4. During the next 6 months, the RCU staff will revise the formula for the allocation of Part B funds.
5. During the next 6 months, the RCU staff will be involved in the development of a systematic program of vocational education needs assessment. The intended outcome is to be a simplified document to be completed by a school system or vocational education region in documenting the need for additional vocational education services.

LOUISIANA

Kirby K. Awagain, State Director of Vocational Education  
Florent Hardy, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. Assisted the Director of Secondary Education, Louisiana State Department of Education, with the Interim Revision of Bulletin 741 (Handbook for School Administrators) as it pertains to Vocational Education.
2. Developed a format for a RCU Newsletter to be sent to vocational educators throughout Louisiana.
3. Compiled statistics relative to the number of schools, secondary and postsecondary, offering vocational education in the various vocational education areas.
4. Disseminated microfiche on a statewide request basis.
5. Assisted in the Evaluation of Three Projects submitted to USOE under Part J-Bilingual Education Programs.
6. Conducted a study to determine needs in the Building Trades and Maintenance Occupations. Surveys were conducted in the eight planning regions of the state. Approximately 40,000 junior and senior high school students were surveyed and over 2,000 business and industrial firms were contacted in this survey. Data was tabulated, compiled and was disseminated to interested persons and agencies.
7. Conducted a Feasibility Study to determine the needs and interests for General Electrical Programs in Franklin, Louisiana. The study was disseminated to interested persons and/or agencies.
8. Conducted a Feasibility Study in Springhill to determine the needs for Extension Courses for Vocational Education.

PROJECTS AND ACTIVITIES PLANNED:

NONE

MAINE

Elwood A. Padham, State Director Vocational Education  
Charles W. Ryan, RCU Director

PROJECTS COMPLETED:

1. Career Education Mini-Course in Health Occupations, Telstar Regional High School, Bethel
2. Achieving Career Awareness, Boothbay Region High School, Boothbay Harbor, Boothbay School Department
3. The Effects of Selected Instructional Strategies on Learning Efficiency in Vocational Technical Education Programs Phase II, SAD #9, Farmington
4. STRIVE-Student Training Realized in Voluntary Exploration, Livermore Falls High School, Livermore Falls, SAD #36
5. Cooperative Vocational Education Training Programs for Cashiering, Orono High School, Orono
6. Development of Multi-Media Career Units for Use With Students in Higher Education, University of Maine at Orono
7. Follow-up of Building Construction and Machine Tool Technology Graduates of 1970, 1972, and 1974, Southern Maine Vocational Technical Institute, South Portland
8. Follow-up of Automotives and Metals Graduates of 1972, 1973, and 1974, SAD #9, Farmington
9. Life Coping Skills, University of Maine at Farmington
10. Production of a Curriculum Guide for Career Guidance for Community Adults, Bangor Community College at the University of Maine-Orono
11. Establishment of Research Priorities in Post-Secondary, Vocational, Technical and Adult Education in Maine 1975-77, University of Maine at Orono
12. Elementary Crafts Program, Huse Memorial School-Bath
13. Independent Living, Hampden Academy
14. Project GIVE-Guidance in Vocations & Education, MSAD #51, Cumberland Center

Maine

15. Career Days, SAD #16, Hallowell
16. Development of Demonstration Modular Curriculum, Lewiston Comprehensive High School, Lewiston
17. An In-School Job Placement Service for Secondary School Students, Mt. Ararat High School SAD #75
18. Career Development Outreach Program, University of Maine at Farmington

NEW PROJECTS FUNDED:

1. Follow-up of Building Construction and Machine Tool Technology Graduates of 1970, 1972, and 1974, Southern Maine Vocational Technical Institute, South Portland
2. Follow-up of Automotives & Metals Graduates 1972, 1973, 1974, SAD #9, Farmington
3. Life Coping Skills, University of Maine at Farmington
4. Career Guidance for Community Adults, Bangor Community College, of the University of Maine at Orono
5. Establishment of Research Priorities in Post-Secondary Vocational Technical and Adult Education in Maine 1975-77, University of Maine at Orono
6. Career Education for Isolated Schools, North Haven Island School, North Haven
7. REVAMP-Revitalize the Vocational & Academic Multifarious Program Through Career Education, South Portland High School
8. ACT-Awareness, Careers, and Transition, Dexter Regional Technical Vocational Center, Dexter

RESEARCH RELATED ACTIVITIES:

1. Development of a Career Education Plan for Maine-Task Force on Career Education met four times during April-May, 1975
2. Established research priorities for Bureau of Vocational Education via a survey of over 300 vocational-technical instructional and administrative personnel

PROJECTS AND ACTIVITIES PLANNED:

1. Consult with College of Education, University of Maine at Orono in developing Masters and Training program for business education
2. Implement the research priorities established in the Maine State Plan for Vocational Education
3. Provide support and consultative services in implementing the Maine State Plan for Career Education
4. Develop and implement the Comprehensive Career Education project funded by USOE on June 13, 1975

## MARYLAND

Dan Dunham, State Director of Vocational Education  
Gary Green, RCU Director

### PROJECTS COMPLETED:

1. Evaluation of the Carroll County Vocational-Technical Education Program with Dr. C. K. Tanner and Dr. John Ray of the University of Tennessee College of Education
2. A Follow-up Study of the 1971 Maryland High School Graduates

### NEW PROJECTS FUNDED:

1. A Statewide Follow-up of the 1974 Maryland High School Graduates
2. Career Information Resource Center for Learning Experiences, Baltimore County
3. A Comparison of Work Values Held by Students, Parents, and Teachers, University of Maryland
4. Project Ace-Approaches to Career Education, Baltimore County

### RESEARCH RELATED ACTIVITIES:

1. Mini Service Bureau - In conjunction with the Anne Arundel County Board of Education, this project is providing hands on instruction for students with a modern "mini" computer. In addition, information services utilizing the Educational Resources Information System (ERIC) files will be available to all vocational educators. To begin, the services will include computer searches and duplication of microfiche.
2. Management Information System (MIS) - The MIS project is a three year field test designed to yield a remote data entry system. The three steps involved in this project are as follows: (1) The implementation of data cards, (2) a field test in six counties for the remote batch entry of data cards, (3) statewide data net utilization. If successful, this system will eliminate the need for the State agency to collect the names of individual students while still retaining auditable federal reporting data.
3. Computer Assisted Instruction (CAI) - This project will provide Basic Mathematics for disadvantaged vocational-technical students.

## Maryland

4. Remote Job Entry - This project is designed to upgrade data processing instruction through the use of a modern "mini" computer and remote job entry stations. This will provide multi-lingual instructional capabilities to students in programming at little or no cost to the local school systems.
5. Statewide Evaluation - Based on a pilot project in Carroll County in May 1975, to develop an evaluation model, the Research Coordinating Unit will be conducting a statewide evaluation of vocational education. Local response to the pilot project may be obtained by contacting Dr. Edward Berkowitz in Carroll County.

### PROJECTS AND ACTIVITIES PLANNED:

1. The Research Cooperating Unit is planning to conduct and coordinate various projects which will provide support services for vocational educators in Maryland.

MASSACHUSETTS

Patrick J. Weagraff, State Director of Vocational Education  
Clifford Reed, RCU Director

PROJECTS COMPLETED:

1. Project Career/Handicapped, Randolph

NEW PROJECTS FUNDED:

1. Occupational Education Counseling System For Urban Youth, Lynn
2. Manpower Information Project, Boston
3. Career Guidance Resource Center, Marlborough
4. Rural Collaborative Career Education Program, Harwich
5. Information/Dissemination Concept, Marlborough

RESEARCH RELATED ACTIVITIES:

1. Established criteria and wrote request for proposal (RFP) to obtain third party evaluation of two (2) Part D Projects and thirty-five Occupational Competencies Projects
2. Participated in evaluation (for accreditation in the New England Association of Colleges and Secondary Schools) of one Regional-Vocational Technical High School
3. Made thirty-seven on site visits to exemplary and occupational competence projects
4. Co-authored curriculum for in-house training course on Planning and Evaluation. Course will be given to all professional personnel within the Division
5. Formulated a comprehensive research and evaluation design for two exemplary projects. The design will be used for data analysis and synthesizing findings from the two exemplary projects
6. Provided technical assistance to LEA's for writing exemplary proposals
7. A course on manpower needs assessment, for the Springfield region, was conducted for Guidance counselors, administrators and teachers employed within the Springfield region. The length of the course was twelve weeks. Students received three graduate credits for completing the course. Thirty students attended the course.

## MICHIGAN

Addison Hobbs, State Director of Vocational Education  
Stanley Rumbaugh, RCU Director

### PROJECTS COMPLETED:

1. Performance Objective Development and Maintenance, Ingham ISD, Mason
2. Instructional System Curriculum Assistance Part D, Ingham ISD, Mason
3. Incentive to Learn, Grand Rapids Public Schools
4. CEPD #36 Articulation Model, Kellogg Community College, Battle Creek

### NEW PROJECTS FUNDED:

NONE

### RESEARCH RELATED ACTIVITIES:

1. Continued development and initial installation of the Vocational Education Information Support System, with emphasis on the program-course-section component and partial automation of the new/revised program application and reporting processes
2. Continued development of data collection instruments which will be used to collect information to improve the long range planning capabilities of community colleges in all areas of Vocational-Technical Education
3. Development of a request for proposals for a project entitled "A Pilot Test of an Occupational Competency Testing Center in Michigan."
4. Develop a Handbook for Implementation for Career Education in Michigan
5. Develop, test, and revise a Career Education Workshop package
6. Initiate Development of an Exploration program model
7. Develop a Career Education Resource Guide of Commercial materials
8. Initiate a Status Study of Career Education in Michigan

Michigan

9. Maintain a Liaison with the sites participating in the Career Development Support Systems Program
10. Provide technical assistance to the Career Education Advisory Commission and the Career Education Consortium
11. Initiate Dissemination of Career Education concepts, strategies and materials

PROJECTS AND ACTIVITIES PLANNED:

1. Continue development of the Vocational Education Information Support System, with emphasis on refinement of the program-course-section component and on installation of the facility and staff components
2. Continue development of data collection instruments explained in #2 above
3. Selection of a contractor for the project "A Pilot Test of an Occupational Competency Testing Center in Michigan."
4. Writing of a request for proposals for a project to determine the in-service training needs of Vocational teachers
5. Continuation of activities 4 through 11 above

## MINNESOTA

Robert P. Van Tries, State Director of Vocational Education  
Brandon B. Smith, RCU Director

### PROJECTS COMPLETED:

1. An Innovative Pilot Program for Dental Assisting, Canby AVTI, Canby
2. Secondary Health (Exploratory) Occupations Program--Consultation and In-Service Training, Anoka-Hennepin School District #11, Anoka
3. Curriculum for Occupational Education, Minneapolis Public Schools, Minneapolis
4. Developing Articulated High School and Post High School Curriculum, Phase III, Minnesota Research Coordinating Unit for Vocational Ed., U. of M., Minneapolis
5. Minnesota Statewide Testing Program, U of M, Minneapolis

### NEW PROJECTS FUNDED:

NONE

### RESEARCH RELATED ACTIVITIES:

1. Minnesota Bilingual Vocational Training Project, Minnesota Department of Education, Division of Vocational-Technical Education
2. Minnesota Occupational Information System (MOIS)
3. A U. S. Department of Labor grant to provide funds to develop a computer based system to provide occupational information to youth and adults seeking information or making career choices. The computer system will provide users with information about career opportunities available occupations, ways of exploring careers, seeking vocational information, and specific sources of occupational and vocational training

### PROJECTS AND ACTIVITIES PLANNED:

1. Ongoing multi-phase projects will continue to be supported. New projects will be initiated in pertinent problem areas identified by the Minnesota Research and Development Review Committee

MISSISSIPPI

J. W. Lewis, State Director of Vocational Education  
James F. Shill, RCU Director

NO REPORT RECEIVED

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## MISSOURI

B. W. Robinson, State Director Vocational Education  
Glenn W. White, RCU Director

### PROJECTS COMPLETED:

1. Curriculum Development for Electromechanical and Mechanical Technologies, Penn Valley Community College
2. The Meaning and Value of Work, Job Satisfaction and Productivity as Perceived by Vocational Education Graduates and Teachers, University of Missouri-Columbia
3. Preparation and Testing of Career Education Modules for Teacher and Counselor Education, University of Missouri-Columbia
4. Assess the Educational Need of Currently Enrolled College Students and Area High School Juniors and Seniors, with Academic Deficiencies as Measured by ACT in Relationship to the Existing Programs at Missouri Western College, Missouri Western College
5. Research Model for Career Education, Parkway School District
6. Parents: Key People to Assist in Occupational Decision Making, Central Missouri State University
7. In-Service Education Model for the Dissemination and Utilization of Career Information in the Elementary School, Central Missouri State University
8. Instructor's Guide on Health Occupations, University of Missouri-Columbia
9. Radio Programs and Informational Audio Materials on Career Education Opportunities in Phelps County, University of Missouri-Rolla
10. A Study of the Status of Vocational Education in the St. Louis Public Schools, St. Louis Public Schools
11. Career Training and Placement, Montgomery Co. R-II
12. Community Acceptance of Occupational Curricula in Industrial Engineering Technology in the Junior College District, Florissant Valley Community College

Missouri

13. A Pilot Program to Identify the Competencies, Development of Objectives and Determination of Problems Included in Agricultural Curricula Being Offered by Post-Secondary Institutions of Missouri, State Fair Community College
14. Relationships of the Meaning and Value of Work, Job Satisfaction, and Productivity as Perceived by Vocational Education Graduates and Teachers, University of Missouri-Columbia
15. Career Development in Action, Wentzville R-IV School District
16. Field Testing of Child Care Worker Parent Involvement Training Packages, University of Missouri-Columbia
17. A Comparison of Two Different Methods of Dissemination of a New Teaching Technique, University of Missouri-Columbia
18. Parkway Business Speaker's Resource Bureau, Parkway School District
19. Introduction to Individualized Business and Office Materials, State Fair Community College
20. An Educational Needs and Interest Assessment of Significant Parties in the Brentwood School District, Brentwood Public Schools
21. A Proposal to Assess the Needs of Students in Ten School District, State Fair Community College

NEW PROJECTS FUNDED:

1. The Purposes and Functions of the Area Vocational-Technical School in Industrial Development, Maryville Area Vocational-Technical School
2. Women and Career Options: A Research Project to Facilitate Upward Mobility for Women, Central Missouri State University
3. A Survey of Adding, Calculating, and Accounting Machines Being Used in Kansas City Area Businesses, Longview Community College
4. Short-Term Specialized In-Service Office Occupations Training Project, State Fair Community College
5. The demand For and Job Opportunities of Graduates of a Two-Year Curriculum in Occupational Safety Technology in

- the Metropolitan St. Louis Area, Florissant Valley Community College
6. Development and Dissemination of a Farm Record and Analysis System, Univeristy of Missouri-Columbia
  7. A Cooperative Project to Determine the Feasibility of Developing and Testing a Statewide Job Development and Placement Model for Secondary and Post-Secondary Vocational-Technical Students in Selected Areas of Missouri, State Fair Community College
  8. Missouri Vital Information for Education and Work-Missouri Occupational Training Information System (MOview-MOTIS), Hazelwood School District
  9. School.Community Career Research Project, Ferguson Reorganized School District R-1
  10. An Educational Needs and Interest Assessment of Significant Parties in the Brentwood School District, Brentwood Public Schools
  11. A Follow-Up Study of Graduates of the Department of Practical Arts and Vocational-Technical Education at the University of Missouri, University of Missouri-Columbia
  12. A Follow-Up Study: Counselor Education Program at Central Missouri State University, Central Missouri State University
  13. Interaction Analysis in the Simulated Teaching Situation VS. the Student Teaching Situation, University of Missouri-Columbia
  14. Development of a Bibliography of Curriculum Materials and Equipment Suppliers for Distributive Education, University of Missouri-Columbia
  15. The Development of a Multiple Use Evaluative Instrument for Assessing the Quality of Child Care Centers as Laboratories for Vocational Programs, Florissant Valley Community College
  16. Doctor? Lawyer? Indian Chief?, School District of Jennings
  17. A Universe Sampling of Missouri Commercial and Purebred Port Producers to Determine Hiring Receptivity of Trained Swine Technicians From a Post-Secondary Intensive Co-op Training Program, Willow Springs R-IV

Missouri

18. Second Year Study of the In-Service Education Model for the Dissemination and Utilization of Career Information in the Elementary School Through Career Clusters, Central Missouri State University
19. A Proposal to Assess the Needs of Students in Ten School Districts, State Fair Community College
20. Fit and Flattery for the Over Fifties: Dress Patterns Alternations Related to Physical Characteristics of Older Women, University of Missouri-Columbia
21. A Pilot Study on the Feasibility of Competency Testing of Trade Teachers in the State of Missouri, University-Columbia
22. Selection of Instructional Content for Graphic Arts Education for the Secondary Schools of Missouri as Agreed Upon by Industrial Leaders and Educators, Central Missouri State University
23. A Study to Determine the Certification Standards Required for Local Administrators
24. Introduction to Individualized Business and Office Materials, State Fair Community College
25. Printing and Dissemination of Competencies, Units of Instruction and Suggested Methods of Use in Developing Agri-Business and Farm Management Curriculums, State Fair Community College
26. The Effectiveness of a Combined Vocational Youth Organization Leadership Conference, University of Missouri-Columbia
27. Relationships of the Meaning and Value of Work, Job Satisfaction, and Productivity as Perceived by Vocational Education Graduates and Teachers, University of Missouri-Columbia
28. A Comparison of Instructional Approaches to Teaching the International System of Weights and Measures to Elementary School Children with Varying Mental Ability, Central Missouri State University

RESEARCH RELATED ACTIVITIES:

1. Conducted information retrieval and dissemination activities including a total of 619 searches resulting in the distribution of 946 microfiche

## Missouri

2. Provided consultative assistance in carrying out project proposals
3. Coordinated the MOTIS activities with the two agencies of the University of Missouri, the Statewide Testing Service, and the Human Resource Group
4. Developed computer programs for the 1975-76 MOTIS reports
5. Assisted local school districts with problems related to the MOTIS system
6. Provided enrollment data for the State Vocational Planning Meeting and other activities
7. Printed and distributed the MOTIS newsletter to the 460 school districts
8. Conducted a MOTIS workshop for each of the following: all post-secondary MOTIS coordinators, all secondary chief school administrators, selected secondary MOTIS coordinators
9. Coordinated the distribution, collection, and cleaning of the second semester SAC-1 and SAC-CS forms. This involved approximately 460 school districts, state institutions, junior colleges, and four year colleges
10. Assisted in the development, distribution, collection, and processing of the SAC-2 (Turn Around Document) which involved approximately 460 school districts, state institutions, junior colleges, and four year colleges
11. Solicited Level I and Level II research projects on a statewide basis
12. Chaired committees to revise the on-site evaluation procedures and report forms for evaluations of occupational programs in the area vocational schools and community junior colleges

### PROJECTS AND ACTIVITIES PLANNED:

1. Continued activities in information retrieval and dissemination
2. Monitor approved research projects
3. Continued development of materials, methods, and procedures for the Demand Component, Student Accounting Component, Resource Inventory Component, and Manpower Supply Component

## Missouri

4. Review and rate research proposals
5. Continued activities in the information retrieval and dissemination
6. Monitor approved research projects
7. Review Level I and II research proposals to determine those which are to be approved
8. Continue the development and implementation of materials and procedures for the Missouri Occupational Training Information System
9. Development of field testing of an on-site evaluation instrument
10. Coordinate workshops to instruct a cadre for implementing on-site evaluations in the community junior colleges and area vocational schools

**MONTANA**

**Benjamin Ulmer, State Director of Vocational Education**  
**Robert Lehman, RCU Director**

**PROJECTS COMPLETED:**

1. Identification of Common Competencies Across Related Jobs in Agriculture Products and Resources, Montana State University Department of Agriculture and Industrial Ed., Bozeman
2. Management Information System for Vocational Education, Secondary Student Enrollment Report, Finance, Planning and Evaluation Component, Office of the Superintendent of Public Instruction, Helena

**NEW PROJECTS FUNDED:**

1. Development of a State Agency Vocational Education Planning and Decision-Making System, Office of the Superintendent of Public Instruction, Helena

**RESEARCH RELATED ACTIVITIES:**

1. Provide information for state and federal reports

**PROJECTS AND ACTIVITIES PLANNED:**

1. Continue developmental activities for: (a) Secondary follow-up (b) Postsecondary evaluation and accreditation (c) State and regional job market projections
2. Continue operation of completed portions of the Management Information System

NEBRASKA

Glen H. Strain, State Director of Vocational Education  
Elton B. Mendenhall, RCU Director

PROJECTS COMPLETED:

1. A Vocational Approach to Written Communications, Platte Technical Community College, Columbus

NEW PROJECTS FUNDED:

1. State-Wide Computerized Model for Determining Occupational Opportunities in Nebraska, 1976 Report, University of Nebraska, Lincoln, Research Coordinating Unit for Vocational Education
2. A Determination and Validation of Economic Competencies Required for Persons Working in the Distributive Occupations, University of Nebraska, Lincoln, Business Education Department

RESEARCH RELATED ACTIVITIES:

1. Assisted proposal development and review for Exemplary (Part D) projects
2. Reviewed and monitored research and exemplary projects
3. Attended American Education Research Association Annual Conference in Washington, D.C., and presented a paper titled "A Study of Co-operative Education in the Mid-Plains Technical Community College Area"
4. Continued Nebraska Vocational Information System (NVIS) Project including:
5. Determining data system requirements of State Department of Education
6. Inservice program for Division of Vocational Education staff
7. Compiled data gathering instruments used by Division of Vocational Education
8. Coordinated planning and development of computer workshop for staff of State Department of Education
9. Dissemination Activity: 984 complimentary documents, 73 Learning Resource Center documents checked out, 11 ERIC computer searches initiated, plus much ERIC manual

Nebraska

assistance, 64 persons served in the office

10. Prepared Management By Objective (MBO) statements for Research Coordinating Unit operation for FY 1976

PROJECTS AND ACTIVITIES PLANNED:

1. Review Letters of Intent for research and exemplary proposals
2. Priority determination for research and exemplary programs for FY 1976
3. Monitor existing research and exemplary projects
4. Generation of sample and interviewer training for obtaining occupational opportunities data
5. Prepare a display booth for Annual State Vocational Education Conference
6. Dissemination of Occupational Opportunities Report 1975

NEVADA

R. Courtney Riley, State Director  
Len L. Trout, RCU Director

PROJECTS COMPLETED:

1. The drafting, field testing and limited publication of the Nevada Needs Assessment Manual for Vocational Education Program Planning
2. The preparation and presentation of the report, Alternatives to the Nevada State Formula for Entitlement of Vocational Education Funds
3. The publication and distribution of approximately 1,500 copies of four issues of the RCU Report
4. The Nevada Needs Assessment Manual for Vocational Education Program Planning
5. Alternatives to the Nevada State Formula for Entitlement of Vocational Education Funds

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. The RCU Curriculum Resource Library has had limited recorded usage during this period. The location of the library in the reception area of the Research and Educational Planning Center encourages browsing and reference use by its users. It is only upon a request for materials to be taken from the Center that a record is made of the use.

The requests for search services are handled in a similar informal manner. Requests are directed to the RCU and the REPC without distinction. The Director and/or the Research Consultants attempt to respond immediately. In a few cases recourse to other reference centers is necessary. Again, an accurate count is not available. The fact that the service to vocational educators is readily available and responses are given within a short time attest to the value of this activity.

The revamping of the curriculum resource collection was delayed somewhat by the demands placed on Dr. Dearmin for

other students. However, it is anticipated that completion of this project will be done in the fall of 1975. New additions to the collection include 29 purchased, 525 documents gratis, and 13 subscriptions to periodicals.

PROJECTS AND ACTIVITIES PLANNED:

1. The status of the funding for FY 1976 is not clearly defined at this writing. The State Director has indicated that eight issues of the RCU Report, with a distribution list of approximately 15,00 issues, should be continued. An additional 500 copies of Volume 10, No. 1, should be available during the State Vocational Workshop in August.
2. The Needs Assessment Manual should be printed and distributed at the conclusion of the August Workshop. The distribution list will be determined by the State Director.
3. The staff of the RCU and other consultants from the REPC are to actively participate in the August Workshop. RCU Staff are to be available to respond to requests from the State Department of Education and the local districts.
4. The search services and curriculum resource collection are to be continued.
5. The staff shall undertake attendance at such meetings as the Director indicates.
6. The RCU will provide services relating to research, program development monitoring, consulting, and such other services as within the scope of the RCU as approved by the State Director of Vocational Education.

NEW HAMPSHIRE

Neal D. Andrew, State Director of Vocational Education  
Lila Murphy, RCU Director

PROJECTS COMPLETED:

1. Performance skills profiles for secondary vocational education programs, Dover High School
2. Multi-media, multi-faceted approach to instructing fire department pump operations, State Department of Education
3. Information system for career guidance, Manchester School Dept
4. Building trades - an opportunity for everyone, Exeter School Department
5. Project challenge - planning grant, Claremont School District
6. Job placement component, Conval School District
7. Performance skills profile, Conval School District
8. Vocational guidance and placement program, Lebanon High School
9. Developing, field-testing, and implementing a vocational electronics skills training curricula, John Cepaitis Nashua School Department
10. A career education program for the Somersworth Schools, Somersworth School District
11. Curriculum development coordination for New Hampshire secondary vocational education, Keene State College
12. Program for drop-outs, Salem School District

NEW PROJECTS FUNDED:

1. Reproducing Metrication Instructional Materials for Industrial Education Teachers in New Hampshire, Keene State College
2. Career Education Proposal Writing Grant, Keene State College
3. Occupational Education Resource Center, University of NH
4. A Needs Survey - Vocational Students with Educational Handicaps in Strafford County, Strafford Learning Center

## New Hampshire

### RESEARCH RELATED ACTIVITIES:

1. Completed the coordination and development of the 1975 New Hampshire State Plan for Vocational Education
2. Assisted in development of Career Education Proposal which was funded by USOE for approximately \$175,000. Also assisted districts applying for Part D Exemplary Discretionary Funds
3. Completed data collection for required USOE Reports
4. Chaired a Twin-State Curriculum Committee (NH & VT) which is developing long-range curriculum development plans
5. Developed initial phases of an occupational education resource center at the University of New Hampshire to serve the State
6. Chairperson for the Department of Education's effort to establish educational goals and priorities (one being Vocational Education). This included the design and implementation of a state-wide survey.
7. Coordinated Curriculum Development Activities which resulted in job profiles for 18 Occupational Programs
8. Designed and tested an instrument and process for identifying disadvantaged and handicapped students.

### PROJECTS AND ACTIVITIES PLANNED:

1. Due to the delay in receiving Part C Discretionary Research Funds to initiate a Management Information System, activities in this area proposed on last Semi-Annual Report will begin during the first half of FY 1976 - (a) coordinate development of a comprehensive MIS, (b) develop a reliable data base, (c) design program for computer storage and access of data, (d) design a program evaluation model
2. Develop and implement more effective techniques for the dissemination of information on Vocational Education in general and Research and Exemplary projects
3. Closer supervision and monitoring of funded Research and Exemplary projects
4. Continue activities involved with the development of Department Goals for Vocational Education including state-wide validation and developing enabling objectives
5. Focus on changing image of RCU so it functions as a service unit to Division

NEW JERSEY

Stephen Poliacik, State Director of Vocational Education  
Joseph Kelly, RCU Director

PROJECTS COMPLETED:

1. Fire Fighting, Burlington Co. AVTS
2. Technology for Children Study, Mansfield Township
3. Management Training Program, Essex Co. Vocational School
4. IACP, Trenton State College
5. Occupational Resource Center, Edison Township
6. Model for Cost Study, Rutgers University
7. Children's Orientation to Work, Rutgers University
8. Management Information System, Asbury Park
9. Career Maturity Among 8th Grade Disadvantaged Students, Lakewood
10. Effectiveness of Video Tape Instruction, Keane College
11. NS - Agriculture, Atlantic Co. Community College
12. Articulation Project, Essex Co. Vocational/Technical
13. Career Decision Process, Edison Township
14. Career Development Articulation, Middlesex Community College
15. Career Resource Center, South Amboy
16. Career Development, South Brunswick
17. Career Development Study, Middletown Twp.
18. Career Development, Middletown Twp.
19. Articulation Project, Ocean Co. Vocational/Technical
20. Articulation Project, Warren Co. Vocational/Technical

New Jersey

NEW PROJECTS FUNDED:

1. Basic Career Competency Program, Margate School District
2. Vocational Interest and Maturity Study, Stockton State College
3. Cooperative Curriculum Research in Vocational Education, Vineland School District
4. Model Office Simulation, West Deptford AVTS
5. Curriculum Research, Hudson Co. AVTS
6. Astronomy Career Course Development, No. Hunterdon Reg.
7. Leadership Behavior of the County Career Education Coordinator, Mercer Co. AVTS
8. Values and Attitudes of New Jersey DECA Students, Rider College
9. Curriculum Laboratory Project Development, Rutgers University
10. Vocational Curriculum Laboratory, Rutgers University
11. Career Development Evaluation, Asbury Park
12. Pilot Program for Women, Passaic Co. AVTS
13. Community Education Planning Model, Bridgewater-Raitan
14. Career Development, Elizabeth
15. Arboriculture Study, Belvidere
16. Articulation Planning, Atlantic Co. AVTS
17. Technology for Children, Hopewell Township
18. Technology for Children Program, Montclair Bd. of Education
19. Articulation Planning, No. Hunterdon Reg.
20. Career Resource Center, South Amboy
21. Multi-Media Articulation Program, Mendham Township
22. I.V. Business Education Cycle, Wayne Township
23. Career Resource Center, New Providence

RESEARCH RELATED ACTIVITIES:

1. Prepared Special Papers on (a) Feedback, (b) How to Develop a Career Resource Center in Your School District, (c) Making the Most of Your Advisory Committee
2. Demonstrated Computer Assisted Career Information System (CACIS)
3. Developed conference potential of Occupational Resource Center
4. Developed two model career resource centers--elementary and secondary levels
5. Conducted Workshops on (a) Tests: Senior High Career Attitude Assessment Tools, (b) Tests: 7th, 8th and 9th Grade Career Assessment Tools, (c) Major Sources of Information on Health Occupations, (d) Women in the World of Work, (e) Career Education Material for the Handicapped, (f) How to Set Up A Career Resource Center
6. Prepared Proposals in vocational-technical, career education, bilingual education as well as for special groups
7. Served as consultants for proposals prepared by local education agencies
8. Assisted in refinement of a county planning and funds distribution model
9. Coordinated Activities of the Northeast Network for Curriculum Coordination (a) Conducted two Network meetings, (b) Published two Network Newsletters, (c) Attended two National Network Council Meetings, (d) Developed and distributed New Jersey Curriculum in Progress publications, (e) Guided and supervised approximately 40 curriculum development projects, (f) Promoted Northeast Network computer use in curriculum research
10. Distributed 35 sets (13 film each) of career guidance films

PROJECTS AND ACTIVITIES PLANNED:

1. Hold an Annual Statewide Vocational-Technical Education Researchers Conference
2. Continue operation and expansion of occupational resource centers
3. Assist in the further development and refining of the County Planning and Funding System

New Jersey

4. Support the development of the New Jersey Model for Career Development
5. Continue application of State EPPBS for planning, administration and evaluation of career development activities
6. Continue the review and research of effective student assessment instruments pertinent to cognitive, affective and psychomotor domains
7. Plan, initiate, and support research, planning, evaluation, curriculum, information dissemination, and innovative activities
8. Prepare additional Special Papers
9. Continue coordination of the Northeast Network for Curriculum Coordination
10. Sponsor 4 displays from the Smithsonian Institute for the general public
11. Sponsor and participate in 11 workshops on diverse facets of vocational education

NEW MEXICO

Wilma Ludwig, State Director of Vocational Education  
Roger A. Labodda, RCU Director

PROJECTS COMPLETED:

1. Implementation of Career Education in New Mexico, New Mexico Department of Education, Santa Fe
2. Mid America Vocational Curriculum Consortium, Oklahoma State University, New Mexico State Department of Education, Santa Fe
3. Curriculum Development, New Mexico State Department of Education, Santa Fe
4. Industrial Arts/Career Education Guide, New Mexico State Department of Education, Santa Fe
5. PENCEP (Penasco Careers Education Process), Penasco Indian Schools

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. Met with RCU Advisory Committee and EPDA Advisory Committee, 2/4/75
2. Wrote State Plan for Vocational Education and submitted it to State Board of Education and State Advisory Council for Vocational Education
3. Wrote, coordinated and submitted EPDA, Part F, Proposals
4. Attended Curriculum Fair in Albuquerque and disseminated information on Federal funding and publicity
5. Planned Western Regional RCU Conference to be held in Santa Fe
6. Continued Manpower reports to program managers
7. Planned Sixth Annual Vocational Education Conference
8. Submitted quarterly research activity reports to Washington and Dallas

New Mexico

9. Helped to write and develop proposals originating outside SDE
10. Coordinated state's Part J responsibilities in Bilingual Vocational Education
11. Monitored Projects under Part C, and Part D, and EPDA, Part F
12. Continued Data Retrieval for V-TIS
13. Printed Annual Report for Vocational Education
14. Worked with Employment Security Commission on manpower information
15. Attended Region VI Annual Report meeting in Dallas, Texas, June 12-13
16. Attended National RCU Directors' meeting, Denver, Colorado
17. Mailed 6,000 student follow-up questionnaires

PROJECTS AND ACTIVITIES PLANNED:

1. Western Regional RCU Conference, Santa Fe, August 25-27
2. Sixth Annual Vocational Teachers' Conference, Portales, New Mexico
3. Scheduled to speak at Office Education Post-Secondary Conference, 8/21/75
4. Writing and publication of End-of-Year Report to Advisory Committees
5. Printout of FY-75 data
6. Final reports FY 74 EPDA projects
7. Abstracts and contracts for FY 75 EPDA projects
8. Employment of systems analyst to assist with V-TIS
9. Comprehensive compilation of post-secondary vocational data
10. Writing of Annual Report for Vocational Education
11. RFD on Part D and Part C

New Mexico

12. Publish booklet on EPDA 552 Fellowship awardees from New Mexico
13. Compile results of student follow-up questionnaire
14. Continue vocational education publicity
15. Monitor all projects handled through Program Development
16. Continue Manpower reports to program managers
17. Continue cooperative arrangement with Employment Security Commission
18. Continue to supply SDE with Federal Register Information

NEW YORK

Robert S. Seckendorf, State Director of Vocational Education  
Louis A. Cohen, RCU Director

PROJECTS COMPLETED:

1. The Mobility Study of Teacher Education Graduates: Patterns of Employment, Education, and Selected Characteristics
2. Data collection for the IA Publishing Center
3. Attributes and objectives for EPDA, Part F, Section 552 Leadership Development Training Program Evaluation
4. Participants' Evaluation of Inservice Teacher Workshops
5. Observers' Evaluation of Participants of Inservice Teacher Workshops
6. NYSECA Conference Evaluation (1974)
7. Career Project Summaries and Evaluation of Adult Homemaking Consumer Projects
8. CETA Trainee Profile Interim Report

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. A staff member was involved in the revision of the Regents' position paper on values
2. Planning meetings were held with the Ad Hoc Metric Advisory Committee and with the Metric Task Force
3. A staff member is involved in exploring directions for research and evaluation of manpower type programs
4. Activities are underway for the development of a liaison with the Manpower Planning Secretariat
5. A CETA evaluation proposal was developed and a CETA Trainee Profile Interim Report was completed
6. A staff member presented "Bread and Butterflies" (TV modules in

career education) to 4th, 5th, and 6th grade teachers in Rochester, New York

7. A meeting was held with administrators and staff from Syracuse to discuss MDTA closeout
8. An Industrial Arts Mobility Study was discussed with Bureau of Industrial Arts staff
9. An advisory meeting was held with City University of New York research and development staff
10. The new concept "word processing" was discussed with staff of the Albany IBM office
11. A staff meeting was held with Bureau of Inservice Education staff to discuss evaluation of inservice workshops
12. Report #1 of the Decision Oriented Evaluation System (DOES) was drafted
13. Seven clusters of learner benefits for the Bureau of Inservice Education Coordinator Programs were developed
14. A planning session was held with community college health occupations education staff for the development of 1975-76 workshops

PROJECT AND ACTIVITIES PLANNED:

1. Continuing activities with the Metric Council
2. Work will continue on the Regents' position paper on values
3. A joint occupational counseling related project is being planned with the Bureau of Guidance
4. The CETA annual report is to be completed. Field visits to CETA projects will be made as required. The completion and acceptance of the CETA evaluation proposal is expected.
5. A report will be completed on occupational education in the five large cities of New York State
6. The data will be analyzed for the "Effect on Reading Achievement of Elementary School Students Exposed to Industrial Arts Publishing Centers in New York City."
7. A cost-benefit analysis system for New Jersey postsecondary cooperative education institutions will be completed.

NORTH CAROLINA

Charles J. Law, State Director of Vocational Education  
Charles H. Rogers, RCU Director

PROJECTS COMPLETED:

1. Occupational Adjustment Training, North Wilkesboro City Schools

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. Conducted a Statewide Occupational Education Research Dissemination Conference. The results and products of eight research and development projects conducted since 1971 was presented to approximately 200 state and local occupational personnel. In addition, the results of 17 other such projects were exhibited. Projects presented represented research done in the public secondary schools and community colleges.
2. Led an accreditation team which conducted a Southern Association of Colleges and Schools accreditation evaluation of an occupational education institution.
3. Developed field-test procedure for the evaluation of vocational and technical physics modules
4. Organized a task-force conference to analyze individualized instruction usage in community colleges
5. Conducted an external evaluation of the Occupational Research Unit (ORU). Dr. William E. Drake, from Cornell University, spent two weeks looking at the operations of the Unit and made recommendations for improved management and operation. A written final report was prepared for use by the ORU staff.
6. The ORU conducted a 2-day long-range planning conference to re-direct its program based on recent evaluations, both internal and external.
7. Assistant Director, Jesse Clemmons, prepared and delivered a major presentation at the National RCU Personnel Conference.
8. The ORU Director, along with several other RCU Directors across the nation, served as an informal advisory group to Dr. Howard F. Hjelm, Director of the Division of Research and

North Carolina

Demonstration, USOE on ways to improve R&D programs and cooperative relations between state and federal levels.

9. Developed four new projects for funding during next fiscal year.
10. Produced one issue of the ORU Newsletter "Flame".
11. Published a Project Directors Handbook entitled Guidelines for Occupational Research Projects
12. Monitored 15 on-going research projects

PROJECTS AND ACTIVITIES PLANNED:

1. Funded seven new research projects
2. Develop a new plan for establishing research needs and priorities
3. Develop a new pilot research and development training program
4. Develop a study to assess the historical impact of the ORU on occupational programs in the public secondary and community colleges systems

NORTH DAKOTA

Carrol E. Burchinal, State Director of Vocational Education  
Donald Eshelby, RCU Director

PROJECTS COMPLETED:

1. Survey of the Career Development Institute Exploratory Program for Investigation Training on a Cluster of Vocational Occupations, North Dakota State School of Science
2. A Follow-Up of Trade, Industrial, and Health Graduates, North Dakota State School of Science
3. A Study to Field Test a Supervised Occupational Experience Manual, Dickinson Public Schools
4. Agri-Business Learning Activity Audio-Visual Development, Bismarck Junior College
5. Descriptive Study of Food Service Equipment Used in North Dakota Businesses, Lake Schools
6. A Proposal to Develop a Master Plan for Industrial Arts Programs in North Dakota, University of North Dakota
7. Industrial Evaluation of Junior College Vocational Education Programs, Bismarck Junior College
8. Career Education in North Dakota (Consortium of Schools), Combined proposal from 32 schools

NEW PROJECTS FUNDED:

1. Development of Promotional Unit for Unifying Industrial Arts Ideology, Valley City State College
2. Career Awareness Packages for Special Needs Students, Dickinson Public Schools
3. Descriptive Study of Food Service Equipment Used in Different Types of North Dakota Businesses, Lake Public Schools
4. Multi Sensory Individualized Study Packages, North Dakota State School of Science
5. A Proposal to Develop a Master Plan for Industrial Arts Program in North Dakota Schools, University of North Dakota

North Dakota

6. A Study to Develop an Agri-Business Course of Study, Watford City Public Schools
7. A Model Distributive Education Competency Based Learning Laboratory, University of North Dakota
8. A Study to Conduct a Work Experience and Career Exploration Program, Fargo Public Schools
9. Business Industry Visitation Program for Selected High School Teachers, Fargo Public Schools
10. Snowmobile Repair and Servicing Audio-Visual Development, North Dakota State Industrial School
11. Proposal to Develop a Mobile Welding Laboratory, North Dakota State School of Science

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

NONE

OHIO

Byrl R. Shoemaker, State Director of Vocational Education  
R. D. Balthaser, RCU Director

PROJECTS COMPLETED:

1. Model State-Wide Delivery System of Career Education (V361040L), Ohio Department of Education
2. 1974-75 Career Development Product Evaluation, Policy Studies in Education New York City
3. Model Pre-Postsecondary Education Program for Students in Grades 11 and 12 (V361040L), Ohio Department of Education
4. Three Pilot Career Education Programs for K-10 in Ohio (V361105, new #F5004VW), Ohio Department of Education
5. Career Development Program, Akron City Schools
6. Career Development Program, Benton-Carroll-Salem Local Schools
7. Career Development Program, Boardman Local Schools
8. Career Development Program, Canton City Schools
9. Career Development Program, Carlisle Local Schools
10. Career Development Program, Cincinnati City Schools
11. Career Development Program, Clear Fork Valley Local Schools
12. Career Development Program, Cleveland City Schools
13. Career Development Program, Cleveland Heights-University Heights City Schools
14. Career Development Program, Columbus City Schools
15. Career Development Program, Dayton City Schools
16. Career Development Program, E. Muskingum Local Schools
17. Career Development Program, Geneva Area-City Schools
18. Career Development Program, Kirtland Local Schools
19. Career Development Program, Lorain City Schools.

Ohio

20. Career Development Program, Mad River-Green Local Schools
21. Career Development Program, Mansfield City Schools
22. Career Development Program, Medina City Schools
23. Career Development Program, Minford Local Schools
24. Career Development Program, Orrville City Schools
25. Career Development Program, Parma City Schools
26. Career Development Program, Princeton City Schools
27. Career Development Program, Scioto-Darby City Schools
28. Career Development Program, South-Western City Schools
29. Career Development Program, Springfield City Schools
30. Career Development Program, Stow City Schools
31. Career Development Program, Toledo City Schools
32. Career Development Program, Warren City Schools
33. Career Development Program, Willoughby-Eastlake City Schools
34. Career Development Program, Youngstown City Schools
35. Continuation of Pre-Postsecondary Education Program in Engineering and Health Occupations for High School Students in Grades 11 and 12, Akron City Schools
36. Continuation of Pre-Postsecondary Education Program in Health Occupations for High School Students in Grades 11 and 12, Penta County JVSD
37. Continuation of Pre-Postsecondary Education Program in Business, Engineering, Health and Social Science Occupations for High School Students in Grades 11 and 12, Great Oaks JVSD
38. Researching and Developing a Program for High School Students in a Small Academic High School with Limited Vocational Diversification, Wyoming City Schools
39. Developing a Model Regional Vocational Education Planning Unit for Southwestern Ohio, Greene County JVSD

Ohio

40. All Ohio Vocational Youth Camp, Ohio FFA Camp Muskingum, Inc.  
RR #1, Carrollton

NEW PROJECTS FUNDED:

1. Career Orientation Student Materials (7-8) in 9 of 15 Clusters, Educational Research Council of America, Cleveland
2. Supportive Vocational Education Thrusts in Career Development Delivery System (3 phases) (V0126VZ), Ohio Department of Education
3. Pre-Postsecondary Instructor Training, Kent State University
4. Conducting the Feasibility of a 5-Year Follow-up Study Utilizing IRS Information, Institute for Research Studies
5. FY 75 Pre-Postsecondary Program Evaluation, Kent State University

RESEARCH RELATED ACTIVITIES:

1. Commissioner "I" Transportation Curriculum Project (Phase II), Ohio Department of Education
2. Automation of Accounting System for Interface with Reporting System, Ohio Department of Education
3. Program Review for the Improvement, Development and Expansion of Vocational Education and Guidance (PRIDE)--start of re-cycle with 21 Vocational Education Planning Districts including continued Cost Analysis, Ohio Department of Education
4. Providing statistical and fiscal system for management activities of staff including: Labor market forecasting system, MBO forecasting system based on LEA reporting and feed back to LEA, Ohio Department of Education
5. Research Coordination Unit, Ohio Department of Education

PROJECTS AND ACTIVITIES PLANNED:

1. Occupational Analysis-20 more taxonomies
2. Ohio Youth Club Camp-3rd year, Camp Muskingum, FFA Carrollton
3. Local Education Area Planning-3rd year program, The Ohio State University

Ohio

4. Career Development Staff Continuation, Ohio Department of Education
5. Career Development Process Evaluation for Commissioner D Project, to be named
6. Career Development Program, Akron City Schools
7. Career Development Program, Benton-Carroll-Salem Local Schools
8. Career Development Program, Boardman Local Schools
9. Career Development Program, Canton City Schools
10. Career Development Program, Carlisle Local Schools
11. Career Development Program, Cincinnati City Schools
12. Career Development Program, Clear Fork Valley Local Schools
13. Career Development Program, Cleveland City Schools
14. Career Development Program, Cleveland Heights-University Heights City Schools
15. Career Development Program, Columbus City Schools
16. Career Development Program, Dayton City Schools
17. Career Development Program, Defiance City Schools
18. Career Development Program, East Muskingum Local Schools
19. Career Development Program, Geneva Area City Schools
20. Career Development Program, Kirtland Local Schools
21. Career Development Program, Lorain City Schools
22. Career Development Program, Mad River-Green Local Schools
23. Career Development Program, Mansfield City Schools
24. Career Development Program, Medina City Schools
25. Career Development Program, Minford Local Schools
26. Career Development Program, Orrville City Schools

Ohio

27. Career Development Program, Paint Valley Local Schools
28. Career Development Program, Parma City Schools
29. Career Development Program, Princeton City Schools
30. Career Development Program, Scioto-Darby City Schools
31. Career Development Program, South-Western City Schools
32. Career Development Program, Springfield City Schools
33. Career Development Program, Stow City Schools
34. Career Development Program, Toledo City Schools
35. Career Development Program, Warren City Schools
36. Career Development Program, Willoughby-Eastlake City Schools
37. Career Development Program, Youngstown City Schools
38. Maintaining an Instructional Design Strategy for Curriculum Development (498AH50210) ComC75, Ohio Department of Education
39. Ohio Vocational Education Cost Benefit Studies (498AH50209) ComC75, Ohio Department of Education

OKLAHOMA

Francis T. Tuttle, State Director of Vocational Education  
Wm. Don Frazier, RCU Director

PROJECTS COMPLETED:

1. Numerical Control Associated Jobs State-wide Survey, in-house
2. A Survey of Manpower Needs in the Data Processing Occupations, in-house

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. MBO On-going: Training in 12 state departments under an EPDA grant--Training initiated under a proposal to implement MBO in 40 agencies of state government in Oklahoma.
2. Evaluated 129 programs in 43 local schools
3. Developed state budget proposal for FY 1977
4. Funded 3 mini-grants (from an exemplary proposal)

PROJECTS AND ACTIVITIES PLANNED:

1. Complete manpower demand study funded from 131(a), FY 74, Grant #OEG-0-74-7837
2. Direct disadvantaged research funded from 131(a), FY 75, #G007500449
3. MBO training at several levels, evaluation of local programs, dissemination of ERIC information, development of the FY 1977 State Plan and collection of data for OTIS Cycle VIII are continuing activities of the Division

OREGON

Monty E. Multanen, State Director of Vocational Education  
Eugene Vinarski, RCU Director

PROJECTS COMPLETED:

1. Implementation of Integrated Foreign Language and Career Education, Clackamas Community College
2. Utilization of Applied Research in Career Education Programs, John Adams High School
3. An Approach to Changing Teacher Attitudes and Upgrading Teacher Information about Career Education, Grants Pass #7
4. Community Involvement with Disadvantaged Students, Klamath County SD
5. Guidance Awareness Program, Narrowing the Gap Between Home and School, Bend School District
6. Improving Instruction in Innovative Areas Through Improved Administration, Lane Community College
7. Refinement, Implementation and Dissemination of Career Exploratory, Vale High School
8. The Oregon Vo-Tech Math Project, Linn-Benton Community College
9. Utilizing Community Resources, Multnomah County IED
10. Exemplary and Innovative Career Exploratory Program, Sherwood School District

NEW PROJECTS FUNDED:

1. Career Awareness Inservice for Educators, Jackson County IED
2. Career Information Services to Community Colleges in Oregon, Career Information System
3. Teacher Assistant Training Program, Clackamas Community College

RESEARCH RELATED ACTIVITIES:

1. Two summary of findings reports have been prepared pertaining to our student follow-up system which provide information on graduates and dropouts at the high school and community college level.

## Oregon

2. A Request for Proposal (RFP) Guide has been developed which is presently being utilized within the career/vocational section as an inhouse devise to further maximize expenditure of local, state and federal funds.
3. A summative annual report on the Oregon Career Education Document System has been prepared encompassing one full year of system organization and operation.
4. A status report on the Oregon Manpower/Curriculum System has been prepared focusing on the second six months of organization and operation of this Part C Commissioners Grant project.

### PROJECTS AND ACTIVITIES PLANNED:

1. A major review and revision of the existing student follow-up system is presently underway. Plans call for pilot testing a three year out follow-up program at the high school level.
2. A review and assessment of previously funded vocational research and exemplary projects commencing with FY 1970 will be undertaken in August, 1975.

PENNSYLVANIA

John W. Struck, State Director of Vocational Education  
Carroll A. Curtis, RCU Director

PROJECTS COMPLETED:

NONE

NEW PROJECTS FUNDED:

1. Vocational Bicycle Repair, The Pennsylvania School for the Deaf
2. Hempfield Pilot Project for ERMs and Regular Class Students, Hempfield School District
3. Evaluation of Three School-Based Job Placement Projects in Pennsylvania, The Pennsylvania State University
4. Preemployment For Youth Forestry Camp, Beaver Valley I.U. #27
5. Preemployment Preparation for a Youth Development Center, Waynesburg YDC, I.U. #1
6. Trainable Mentally Retarded, Capital Area I.U. #15
7. Prevocational Awareness, Perkiomen Valley School District
8. Pre and Post-Vocational Evaluation Program, Grove City Area School District
9. Communication Skills Research, Williamsport Area Community College
10. Identification of Possible Duplicate Course Offerings at AVTSs and Community Colleges, Central Susquehanna I.U. #16
11. Exemplary Career Resource Center for Grades 5-10, Abington Heights School District
12. Planning Stage Job Placement Center, Allegheny I.U. #3
13. Guidelines for Establishment of Career Resource Centers and A Guide for Research Activities, Berks AVTS-West
14. Workshop Career Education for the Handicapped, Lehigh University
15. A Study of Occupational Mobility in Pennsylvania-Phase I, The Pennsylvania State University

16. Curriculum Materials Development in Agricultural Education,  
The Pennsylvania State University

RESEARCH RELATED ACTIVITIES:

1. A report was prepared summarizing the activities of 17 career resource centers in Pennsylvania during fiscal 1973-74. The purpose of the CRCs was to provide current and accurate career information to pupils, faculty, parents and others. The report includes suggested equipment and material lists, lesson plans, evaluation instruments and CRC floor plans.
2. Significant progress was made in the evaluation of the PENN-script system. PENNscript is Pennsylvania's adaptation of the national VIEW concept for disseminating occupational information.
3. The RCU is cooperatively working with the Division of Corrections Education in the PDE and the Bureau of Justice in evaluating the educational programs in the state's eight adult institutions. A total of 1,224 offenders and 79 instructors were involved in the evaluation. The evaluation focused on determining the offenders' views of the programs. Program quality was also assessed.
4. The RCU was involved in designing a preemployment preparation curriculum for Pennsylvania's youth development centers. The activities are designed to prepare delinquent youth with job-seeking and decision-making skills for future employment or training.
5. The RCU was assigned the responsibility of disseminating information about the Part J (bilingual) vocational monies to local educational agencies. The staff worked with some of the LEAs in the preparation and submission of proposals for these monies.
6. Working with the Pennsylvania Department of Labor and Industry and the Governor's Office, a procedure was developed for soliciting opinions from knowledgeable people in the field of occupational training and employment. Specifically, an attempt was made to obtain advice and suggestions for improving manpower information to better serve the needs of occupational and manpower planners.

PROJECTS AND ACTIVITIES PLANNED:

1. Plan and conduct additional regional CRC workshops. The main emphasis will be on providing services for the adult population and correctional institutions' staff.

Pennsylvania

2. Develop a forms manual for job placement activities in Pennsylvania.
3. Complete the evaluation of three pilot job placement centers implementing a previously developed model.
4. Continue assisting local educational agencies to implement a model occupational placement service.
5. Develop and secure approval of a research plan to utilize 1976 Part C and D funds to achieve research objectives that are based on established federal and state priorities and the State Plan for Vocational Education.
6. Assist local educational agencies to implement approved Research (Part C) and Exemplary (Part D) projects funded directly from USOE.
7. Plan and conduct regionalized workshops to acquaint potential proposal writers with the necessary procedure in applying for Part C and D state grants.
8. Complete and forward to USOE the Third Annual Report of the Discretionary - Part C Career Education Projects.
9. Continue the evaluation of Pennsylvania's pilot distributive education curriculum project (LAPS).
10. Complete the evaluation of PENNScripts.
11. Evaluate vocational programs in the eight state adult correctional institutions and the 16 youth development centers.
12. Continue manpower activities.

Peter Bowen, State Director of Vocational Education  
Jacqueline F. Nelson, RCU Director

PROJECTS COMPLETED:

1. Investigating Career Education, Providence
2. Management Information Systems, State Department of Education
3. Career Orientation Education Mt. Pleasant, Providence
4. A Developmental Pgm. for preparing all students for the World of Work, Cranston
5. Career Education for 8th Graders, Warwick
6. Career Orientation Education Flynn, Providence
7. Career Education Program, East Providence
8. Opening Doors to Awareness, Lincoln
9. Career Concepts Awareness, Cumberland
10. Industrial Based Career Education, World of Construction and Manufacturing, Providence
11. Career Awareness Project II, East Greenwich
12. Career Awareness in North Scituate, Scituate
13. Reading into Careers, Lincoln
14. Career Awareness in Communication, Coventry
15. First Step Consumer Awareness, Cranston
16. Basic Carpentry, Cranston
17. HOPE, North Scituate
18. Art Career Awareness/Exploration, Providence
19. World of Work, Hope Valley
20. Focus on the Future, Hope Valley

21. Creating and Vocational Awareness, Ashaway
22. Career Opportunities in the Natural Environment, Ashaway
23. Printing Without Ink, Children Center
24. Environmental Workings-Career Ed. in Natural Resource, Coventry
25. Let's Put Science to Work Lincoln
26. Project: H.E.L.P., Lincoln

NEW PROJECTS FUNDED:

1. Investigating Career Education, Providence
2. Family Day Care Homes - For Child Development and Parent Development, Providence
3. Woonsocket Vocational-Technical Skill Center Planning Grant, Woonsocket
4. Building Bridges to Future Goals, Lincoln
5. Career Orientation Education, Providence
6. Career Development Partnership, Cranston
7. Developing Occupational Awareness of Vocational Skills for E.M.R. Students, Cranston
8. Career Awareness in North Scituate, North Scituate
9. Elementary School Awareness in Career Education, E. Greenwich
10. Pre-Vocational Program, Bradley Hospital E. Providence
11. Techniques of Industrial Knowledge (TJK), Providence
12. Industrial Based Career Education, Providence
13. APOLLO Advising Parents on Learning Life Goal Opportunities, Cranston
14. Career Education, Cranston
15. Career Orientation Education, Providence

16. Opening Doors to Awareness, Lincoln
17. Career Concepts Awareness, Cumberland
18. Developmental Program for Preparing Students for the World of Work, Cranston
19. Relevancy & Decision, Cumberland

RESEARCH RELATED ACTIVITIES:

1. The Research Unit at the Department of Education has been developing a Vocational Education module of a Management Information System (MIS) designed to collect, process, and disseminate information about Vocational Education to enhance decision-making in this area at State and local levels, for the purposes of program control, program management, and planning.
2. The Vocational Office has also been supporting the Diocese of Providence in their efforts to develop and pilot a career education program for system-wide use among non-public schools - grades 7-12.

PROJECTS AND ACTIVITIES PLANNED:

1. A series of ten, 30 minute T.V. Programs on being a Day Care Mother which will be completed on a large scale. State wide training programs will be developed and tested. If successful, this will be an innovative approach to training child care workers and a step up on the career ladder for those who participate.
2. The Diocese of Providence is expanding their previous years' pilot career education program which will hopefully be completed in another year and available for system wide use among non-public schools grades 7-12.
3. Woonsocket, RI will soon be opening a new Vocational Skills Center. They have received a small grant to investigate the Skills Center Concept in order to determine the most effective method for implementation.

SOUTH CAROLINA

L. L. Lewis, State Director of Vocational Education  
Gregory Morrison, RCU Director

PROJECTS COMPLETED:

1. Prevocational Instrument Development, Calhoun-Orangeburg Vocational Center
2. Student Placement, State Coord. Appalachian Region of SC
3. Adult Vocational Programs, State Coords. Appalachian Region of SC
4. Career Education, Spartanburg School District #5
5. Career Cluster Curriculum Development Project-Phase III, Columbia

NEW PROJECTS FUNDED:

1. Exploratory Programs in Vocational Education, SC Department of Education
2. Prevocational Instrument Development, Calhoun-Orangeburg Vocational Center
3. A Proposal for In-Service Teachers for the Disadvantage and Handicapped Youth, SC Department of Education
4. Student Placement Program, SC Department of Education
5. The Development and Pilot Testing of Orientation/In-Service Materials for Career Education, SC Office of Vocational Education
6. Career Education Pilot Project, Spartanburg School District #5
7. "Career Cluster Articulation Model Based on Behavioral Objectives - Phase IV", Columbia.

RESEARCH RELATED ACTIVITIES:

1. Career Cluster Curriculum Development Project (development phase) was completed by June 30, 1976. Orientation workshops were conducted to inform administrators and teachers about the concept pertaining to self-instructional learning, how the materials developed are intended to be used, and the responsibilities for each during the implementation/evaluation phase (FY'76).

## South Carolina

2. The evaluation design phase of the Career Cluster project was conducted between January and June 1975, to design an evaluation plan with survey and test instruments and a record keeping system which will be used to evaluate the effectiveness of the curriculum development effort in relationship to six predetermined research questions.
3. A survey was conducted to determine the effectiveness of the VIEW Project delivery system, in 163 randomly selected schools participating in the Project effort. Total responses were 3,456, from students enrolled in middle schools, junior high schools, high schools and vocational centers, grades 7, 9, and 11.
4. An addendum to the VIEW deck of aperture cards was completed. It includes descriptions of each vocational center, courses offered and feeder schools served.
5. A complimentary method to the VIEW aperture information cards was developed in an attempt to devise an economically feasible way to provide "take-home" copies of information contained on VIEW cards when a direct reproduction process is not available to the students or users.
6. A Career Education position paper for South Carolina was completed and the document, which explained the philosophy or stances of the State Department of Education was presented to the State Superintendent of Education for his signature and to the State Board of Education for general information in June 1975.

### PROJECTS AND ACTIVITIES PLANNED:

1. Consultants will be hired and workshops conducted to develop Career Education orientation/in-service materials consisting of an administrator manual, counselor manual and teacher digest. The materials will be pilot tested in a minimum of ten school districts.
2. Career Cluster Curriculum Development staff will be conducting workshops during the summer to familiarize teachers with the newly developed materials and train them on the use of the materials.
3. The continuation of the VIEW Project with emphasis on revising outdated information; adding an addendum of post secondary training institutions within the state. Two thirty second taped recordings will be prepared for spot radio announcements.

South Carolina

4. The Student Placement project will be activated by conducting meetings with local center directors and project coordinators to review guidelines, project requirements and responsibilities for participants. On-site team visits will be made to assess the progress being made at each pilot site.
5. Selection and approval of research efforts to be funded during FY'76.
6. Receipt and review of proposals to be considered for funding during FY'77.

SOUTH DAKOTA

E. B. Oleson, State Director of Vocational Education  
E. B. Oleson, RCU Director

NO REPORT RECEIVED

TENNESSEE

W. M. Harrison, State Director of Vocational Education  
Garry R. Bice, RCU Director

PROJECTS COMPLETED:

1. Benchmark Study, Tennessee RCU
2. Administrative Guide for Comprehensive Vocational Education: A project requested by the State Division of Vocational Education, Task Force on Comprehensive Vocational Education, Tennessee RCU
3. Census of Exceptional Children in the State of Tennessee, Tennessee RCU
4. THEC, Tennessee RCU
5. Introduction to Careers, Hardeman County
6. Development of a Mini-Course Curriculum Guide Correlation American Literature and Career Education, Cannon County
7. Home Economics Teacher Competencies: An Assessment for Curriculum Development, Knox County
8. A Follow-up Study of the VOE Graduates of Haywood High School and a Study of Offices in the Business Community Surrounding Haywood High School, Haywood County
9. A Research Study to Determine if There is a Need in Cocke County, Tennessee, for a Vocational Office Education Program, Knox County
10. Testing a Spaced Pattern of Repetition of Gregg Diamond Jubilee Shorthand Brief Forms and Principles at the Community College Level, Knox County
11. Individualized Instruction: A Project Utilization Interdisciplinary Learning Packets Correlating Career Education and High School English in the Secondary Schools of Clay County, Clay County
12. A Survey of Surgical Techniques of Selected Small Animal Hospitals (Tennessee) and Colleges of Veterinary Medicine for the Purpose of Developing Curriculum Materials, Maury County

NEW PROJECTS FUNDED:

1. Development of a Slide/Sound Presentation to Serve as a

Pre-Vocational Guidance Aid Concerning Secondary Vocational Training Programs In Tennessee, Shelby-MSU

2. Comparison of Vocational Cooperative and Non-Vocational Cooperative Graduates of Cumberland County High School from 1972-74
3. Developing a Mini-Course in Pre-Vocational Education for Cumberland Elementary School, Crossville, Cumberland County
4. Developing of Career Instructional Material Center and Orientation of the Faculty Toward Career Education in Barksdale School, Clarksville-Montgomery
5. Developing a Course of Study for the Machine Shop Trades, Lincoln County
6. Development of a Career Guidance Handbook for Weakley County, Weakley County
7. Career Guidance and Vocational Education Awareness in High School, Weakley County
8. Careers in the Medical Laboratory, Knox County
9. Developing a Family Services Career Program, Shelby County
10. The Relationship Between Academic Achievement and Stated Career Objectives as Perceived by Eighth Grade Students in the Memphis City Schools, Shelby County

RESEARCH RELATED ACTIVITIES:

1. Tennessee Management Information System
2. Occupational Information System
3. Information Retrieval and Dissemination System

PROJECTS AND ACTIVITIES PLANNED:

1. Continuation of the project entitled: Benchmark
2. Refinement and continuation of a Student-Based Follow-up
3. Completion of the Regional Management Information System
4. Begin work on a funded Federal project entitled: "Implementation

Tennessee

of a State-wide Computer-Based Occupational Information System with Multi-Facet Delivery Systems."

5. Follow-up survey of user satisfaction with products and services of the Information System
6. Indexing of hard copy materials by ERIC descriptors.
7. Experimenting with a new "Query" software program
8. Analysis of problems facing vocational educators in the State of Tennessee

Cadar Parr, State Director Vocational Education  
Ray Barber, RCU Director

PROJECTS COMPLETED:

1. A Feasibility Study of Vocational Technical Education for the Concho Valley Area, Angelo State University, San Angelo
2. Occupational-Technical Curriculum Development for Television Instruction, Dallas County Community College District, Dallas
3. Development of Curriculum Materials for Competency Based Post Secondary Vocational-Technical Teacher Education Programs, Education Service Center, Region 8, Mount Pleasant
4. Identification of Actual Tasks Performed and Relative Amount of Time Spent on Tasks by Vocational-Technical Personnel, EPD Consortium D, Richardson
5. The Development of an Exploratory Program for Grades 8 or 9 in the Cluster of Marketing and Distribution, Houston Independent School District, Houston
6. Development and Evaluation of a Pilot Element in a State-wide Career Education Delivery System, North Texas State University, Denton
7. The Development of a Plan for a Competency Based Industrial Arts Curriculum with Direct Implications for Occupational Education Program Development, Southwest Texas State University, San Marcos
8. Development of Instructional Module: "Health Care Organizations, Facilities, and Personnel", Texas Woman's University, Denton
9. General Follow-up Study, Windham School District, Huntsville
10. A Program to Enhance the Student's Ability to Make Meaningful Decisions About Career and the World of Work, Greenville Independent School District, Greenville
11. Occupational Orientation, Industrial Independent School District, Vanderbilt
12. Career Awareness, Austin Independent School District, Austin
13. Improving Occupational Exploration and Career Planning Through

the Development and Widespread Utilization of Career Development Resources, Region VIII Education Service Center, Pleasant

14. Career Awareness in Elementary School, Petersburg Independent School District, Petersburg

NEW PROJECTS FUNDED:

1. A Feasibility Study for Vocational Technical Education for the Concho Valley Area, Angelo State University, San Angelo
2. Compilation and Annotation of Information About Current Individualized Instruction in Vocational-Technical Education in Texas Community/Junior Colleges and Development of Missing Components, Austin Community College, Austin
3. The Development of Five Individualized Learning Modules for Preservice and Inservice Training for Occupational and Technical Administrators, Dallas County Community College District, Dallas
4. The Development of an Exploratory Program for Grades 8 or 9 in the Cluster of Marketing and Distribution, Houston Independent School District, Houston
5. The Identification of Texas Anglo, Black and Chicano Child Rearing and Child Care Practices in Relation to Child Care Career Competencies, University of Houston, Houston
6. Women in Vocational Education, University of Houston, Houston
7. Production and Implementation of Nursing Audio-Visual Instruction in Spanish, Laredo Junior College, Laredo
8. Intensive Training for Teacher Aides Working with Hearing Impaired Children, McLennan Community College, Waco
9. The Development of Individualized Supportive Services for Physically and Sensorially Limited Adults at a Post-Secondary Area Vocational School, McLennan Community College, Waco
10. Occupational Analysis of Day Care Workers and Supervisors in the State of Texas, University of Texas at San Antonio, San Antonio
11. Development of Videotapes for Mental-Health Associate Programs, University of Texas Medical Branch, Galveston

12. Development and Examination of an Instructional Paradigm and Auto-Instructional Materials for Teaching Vocational and Pre-Vocational Curriculum-Based Concepts to Mildly Retarded, Borderline Intelligence, and Educationally Disadvantaged Students, Texas A&M University, College Station
13. Occupational Orientation, Sulphur Springs Independent School District, Sulphur Springs

RESEARCH RELATED ACTIVITIES:

1. Fifteen research proposals were reviewed and evaluated during the six month period. Eleven projects were approved for funding. Two projects initiated prior to January 1, 1975, were continued. Nine projects were completed.
2. Members of the staff continued to participate in the coordination of exemplary projects funded under Part D, Public Law 90-576, and the development and coordination of pilot-demonstration projects in occupational education for handicapped students funded under Section 122(c)(3).
3. Members of the staff continued to participate in the activities of a special interagency task force to develop and implement a comprehensive manpower supply/demand data system for the State of Texas.
4. Members of the staff continued to participate in a special project to computerize the statistics and financial inputs required for the preparation of the Annual Report for Vocational Education.
5. The staff participated in a wide variety of activities related to research and development in occupational education and other components of career education.

PROJECTS AND ACTIVITIES PLANNED:

1. Eleven previously described research projects will be continued during the next six month period. Two new projects have been approved for initiation during the six month period. Approval of approximately ten additional new projects is anticipated.
2. Emphasis will continue to be placed on curriculum development projects, manpower needs and development studies, evaluation projects, and follow-up and placement studies. Continued emphasis will be placed on the role of occupational education

Texas

as an integral part of the total career education process.

3. Continued emphasis will be placed on exemplary projects focused on career awareness, investigation, and exploration.
4. Development and initiation of pilot-demonstration projects in occupational education for the handicapped will be continued.
5. The Annual Vocational Education Report for Fiscal Year 1975 will be completed and forwarded to the USOE.
6. The staff will continue to participate in a wide variety of activities related to research and development in occupational education and other components of career education.
7. The division's library facilities will continue to be improved. Continued progress will be made in the development of improved dissemination procedures.

UTAH

Walter Ulrich, State Director of Vocational Education  
N. Craig Kennington, RCU Director

PROJECTS COMPLETED:

1. Career Education in Junior High School, SEA
2. World of Work Dissemination, SEA
3. Mobile assisted Career Education, SEA
4. Evaluation of selected Post Secondary Vocational Technical Education Programs, SEA
5. Facilities Study, Intermountain Indian School, Educators Alliance

NEW PROJECTS FUNDED:

1. Job analysis for the Sugar Beet Industry, Utah State University
2. Analysis of local plans and planning instrument, SEA
3. Review of State finance formula weighting factors assigned to Vocational Education subjects

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Comprehensive followup of Vocational Education completors-high school and post high school
2. Skills Center (North) Intake-Assessment Program Evaluation
3. A study to determine criterion referenced instruction approach to teacher education
4. A study to determine career education and implications for business education programs at the junior high school level
5. Evaluation of home economics or related occupational programs
6. Survey of Health Occupations Labor Market
7. Survey of Insurance-Real Estate Industry Employment

VERMONT

Arthur W. Ericson, State Director of Vocational Education  
Joseph P. Kisko, RCU Director

PROJECTS COMPLETED:

1. Career Development Patterns of Vocational Pupils Graduating or Leaving School 1967, 68, 69, 70, University of Vermont

NEW PROJECTS FUNDED:

1. Course Development for Wage Earning Home Economics, Hartford School District
2. Vocational Program Option Study for College Bound Students, Hartford School District
3. Vocational Equipment Amortization Procedure for the Vermont Voc/Tech Centers, Burlington
4. Remedial & Developmental Reading for Vocational Students- Grades 9-12, Lamoille
5. Preliminary Research into Programs for Teaching Mathematics to Disadvantaged Vocational Students, Essex Junction
6. Distributive Education Curriculum Development, Burlington
7. Evaluation of Testing Materials for Use in Career Guidance and Education, Burlington

RESEARCH RELATED ACTIVITIES:

1. Prepared Research portion of FY'76 State Plan for Vocational Education
2. Requested Research proposals
3. Assisted proposal writers in preparing Research proposals
4. Reviewed and recommend approval or disapproval of Research proposals, with aid of Review Committee
5. Participated in 5-day Workshop on Developing Leadership for Management Systems, sponsored by Univeristy of Connecticut

Vermont

PROJECTS AND ACTIVITIES PLANNED:

1. Requested final reports by August 1, 1975 for FY'74 projects
2. Prepare Annual Federal Report on Research
3. Disseminate Research material to appropriate personnel
4. Make a needs assessment and establish priorities
5. Encourage interest in additional Research projects

VIRGINIA

George S. Orr, Jr., State Director of Vocational Education  
Lloyd M. Jewell, Jr., RCU Director

PROJECTS COMPLETED:

1. Developing Performance Objectives and Criterion-Referenced Measures in Vocational Education, Virginia Polytechnic Institute & State University, Blacksburg
2. Further Development of Vocational Education Management Information System for Virginia
3. Five-Year Follow-Up of Albemarle High School Graduates, Albemarle Co. Schools Charlottesville
4. Teacher Use of Career Counseling Modules in Developing Career Awareness, Alleghany Co. Schools Covington
5. A Project to Provide Student Orientation and Public Information on the Vocational Education Program in Appomattox Co. Career Development Counseling with Video Tape Recordings (CDC-VTR), Appomattox Co. Schools Appomattox
6. Assessment of the Impact of Vocational Media on Russell Co. Sophomores, Providence Forge, Russell Co. Schools Lebanon
7. Coordinated Curricular Strategies for a Countywide K-12, Washington Co. Schools
8. Vocational Program in Agriculture, Abingdon
9. Public Information on Vocational Education, Wise Co. Schools, Wise
10. Vocational In-Service for Secondary Guidance Counselors, York Co. Schools, Yorktown
11. The Establishment of Baseline Data on Students Leaving George Washington High School 1970-74, Danville City Schools, Danville
12. Design for a One-Semester Curriculum for Exploratory Business, Portsmouth City Schools Portsmouth
13. The Evaluation of the Health Careers Program at Jefferson Senior High School, Roanoke City Schools Roanoke
14. A Study to Provide the Tidewater Area Industrial Arts, Old Dominion University

Virginia

15. Teachers with the Information, Equipment, and Coordinating Agency Necessary for the Establishment and Operation of Secondary School Chapters of the Virginia Industrial Arts Student Association, Norfolk

NEW PROJECTS FUNDED:

1. Guidelines and Resources for the Development, Implementation, Operation, and Evaluation of Local Vocational Advisory Committees or Councils, Virginia Commonwealth University, Richmond

RESEARCH RELATED ACTIVITIES:

NONE

PROJECTS AND ACTIVITIES PLANNED:

1. Fund Additional Student Job Placement Projects
2. Conduct seven regional conferences of VERS Coordinators
3. Fund four new research projects
4. Initiate In-Service Training Program for Teachers in the Use of Materials developed through V-TECS

WASHINGTON

Arthur A. Binnie, State Director of Vocational Education  
Gene W. Bigger, RCU Director

PROJECTS COMPLETED:

1. Continuation Career Awareness Program K-12, Cusick S.D., Cusick
2. Study to Determine Acceptable Teaching Load in Voc Ed, Wn. State University Pullman
3. Career Education in Teacher Training Programs, Eastern Wn. State College Cheney
4. Model Placement Project, Clark College Vancouver
5. Career Exploration Shaw Jr. High, Spokane S.D.
6. Special Career Guidance for Dropouts, Yakima S.D., Yakima
7. Entry Level Skill Development, Lower Columbia College Longview
8. Welding Theory Seminar, Lower Columbia College Longview
9. Vocational-Technical Symposium, Central Wn. State College Ellensburg
10. Curriculum Change for Teaching Teen Parents, Upper Yakima Valley Coop., Yakima
11. Job Placement and Development Research, Kent S.D., Kent
12. Development of an Instrument for Prescribing Compensatory Education for Vocational Technical Trainees, Renton Tech. Inst. Renton
13. Intensive Care for Nursing Personnel, Skagit Valley College, Mount Vernon
14. Survey Restaurant Skills Needs Food Service Industry to Establish a Food Service Class, Mercer Island SD, Mercer Island
15. Where Have They Gone and What Have They Done, Monroe S.D., Monroe
16. Small Schools Alternatives in Vocational Education (PROJECT SSAVE), Mossyrock S.D., Mossyrock
17. Survey Needs and Job Availability, Orting S.D., Orting

## Washington

18. Developing Management Horizons for Women, Puget Sound Institute Pacific Lutheran U Tacoma
19. National Occupational Competency Testing, Central Washington State College, Ellensburg
20. Dissemination of C & D Career Education Research, Cashmere S.D. Cashmere
21. WCLA Articulation Conference, Bellevue CC, Bellevue
22. Research Planning Grant, Zillah S.D., Zillah
23. Designing Data Gathering Instruments for Vocational Educators, Washington State University Pullman
24. Project "Try", Olympia S.D., Olympia
25. Recreational Area Management and Program Development, Wenatchee Valley College, Wenatchee
26. Development & Implementation of Career Awareness Project Phase III, Renton Voc-Tech Institute Renton

### NEW PROJECTS FUNDED:

1. Project PRIDE, Palouse S.D., Palouse
2. Salary Comp. of Secretarial Graduates w/Power Typing Skills, Everett CC., Everett
3. Research Planning Grant, Zillah S.D., Zillah
4. Child Care Training-Correspondence/Extension Program, Everett CC., Everett
5. CDIP-Cross Discipline Inservice Program, Shelton S.D., Shelton
6. A Study of Automotive Education in the Secondary Schools & Community Colleges of Washington, Washington State College, Pullman
7. Cadre Training: Career Guidance, Central Wn. State College, Ellensburg
8. Vocational Technical Symposium, Central State College, Ellensburg
9. Continuation Project Development of an Instrument for Prescribing Compensatory Education for Voc-Tech Trainees, Renton V-T, Renton

Washington

10. Research & Development of Metallurgy and Power Supply Instructional Offerings for Community College Welding Students, Bellevue CC-Bellevue
11. Increasing Business Education Opportunities, Zillah H.S., Zillah
12. Marine Resources as instructional unit in vocational agricultural and Renewable Resources, Ocosta S.D., Westport
13. Management Experience Project, Grand Coulee Dam S.D. Electric City
14. Where they have gone and what have they done, Monre
15. Project SSAVE (Small School Alternatives in Voc. Ed.), Mossyrock, Morton, Onalaska, White Pass
16. Job Placement & Development Research, Kent
17. Entry Level Skill Development, Longview
18. In-Service Training for Vocational Faculty, Bellingham
19. Job Approach to Bookkeeping/Accounting, South Bend
20. Preparing a Successful Research Grant Proposal, Pullman
21. Welding Theory Seminar, Longview
22. Coordination Skill Development of Secondary Disadvantaged Students, Shelton
23. Industrial Plastics Tape-Slide Instructional Series, Puyallup
24. Video Articulation and Guidance, Kennewick
25. Selection Indicators for Applicants in Apprenticiable Training, Seattle
26. Dissemination of Parts C & D Career Education & Research, Cashmere
27. Employment Opportunities for Graduates of Theatre Technology and Theatre Management Programs at Community College Level, Bellevue

Washington

28. Project Determine Need for Training of Mid-Management Personnel in Whatcom County, Bellingham

RESEARCH RELATED ACTIVITIES:

1. Participation in meetings of groups and agencies as host, member, or consultant: Common School Districts, Community Colleges, Four Year Institutions, National RCU Conference, American Technical Education Society

PROJECTS AND ACTIVITIES PLANNED:

1. Provide increased consultant services to vocational educators in the State of Washington
2. Develop a series of workshops to promote research, dissemination of research results, and the ERIC System
3. Develop a Key Word in Context Index of publications available from the state office
4. Publish a bimonthly newsletter
5. Implement an evaluation strategy

WEST VIRGINIA

Clarence E. Burdette, State Director of Vocational Education  
W. Roy Thomas, RCU Director

PROJECTS COMPLETED:

1. Research and Planning for the new Vocational Technical Program and Facilities in Ohio County Schools, Ohio County Board of Education

NEW PROJECTS FUNDED:

1. Development of Vocational Education Policy and Procedures Manuals, Associated Educational Consultant, Inc., Pittsburgh
2. Child Care Curriculum Project, West Virginia University, Morgantown
3. Design and Development of Fiscal and Student Follow-up Components of the West Virginia Comprehensive Data System for Vocational Education (CDS-VE) (Vocational Education Research funds USOE), West Virginia Department of Education, Charleston

RESEARCH RELATED ACTIVITIES:

1. Finalized plans for establishing a state vocational education curriculum laboratory for the identification, acquisition, evaluation, storage, and dissemination of curriculum materials
2. Initiated search for RCU Director, Curriculum Laboratory Director, and Special Project Director

PROJECTS AND ACTIVITIES PLANNED:

1. Begin operation of curriculum laboratory
2. Develop system for financial accounting and student follow-up
3. Reorganize RCU library and update dissemination procedures

WISCONSIN

Eugene Lehrmann, State Director of Vocational Education  
Roland J. Krogstad, RCU Director

PROJECTS COMPLETED:

1. Mini Grants for Research and Curriculum, WWTI, La Crosse
2. Competencies for Utility Operators, SWTI, Fennimore
3. Career Education Project, MATC, Milwaukee
4. Comprehensive Manpower Study, MPTI, Fond du Lac
5. Interaction of Learning Styles, FVTI, Appleton
6. Evaluation of Farm Training, FVTI, Appleton
7. Graduate Student Research Grants, UW-Stout, Menomonie
8. Effectiveness of CMIS in Individualized Instruction, UW-Stout, Menomonie
9. Self Instructional Slide/Tape for ERIC-NTIS Users, UW-Stout, Monomonie
10. Retrieval of ERIC-AIM-ARM-CLJE with CRT, UW-Madison
11. Evaluative Study of Metals Curriculum, WWTI, La Crosse
12. Evaluation of Civil Highway Curriculum, NWTI, Green Bay
13. Evaluation of Architectural Technology, Dist. One, Eau Claire
14. Evaluation of Auto Body, SWTI, Fennimore
15. Architectural Barriers to Handicapped, UW-Stout, Menomonie
16. Analysis of Agriculture Instructors, UW-Madison
17. Vocational Education Curriculum Unit, UW-Madison
18. Office Occupations Classification, UW-Madison
19. Instructional Materials for I.E., UW-Stout, Menomonie
20. Office Simulation, GTI, Kenosha

## Wisconsin

21. Office Simulation Laboratory, FVTI, Appleton
22. Career Information for Area High Schools, Nicolet, Rhinelander
23. Employability Skills Educational Package, UW-Madison
24. Greater Milwaukee Career Education Project, MATC-CESA 19
25. Professional Development for Part-Time Call Staff, UW-Stout, Menomonie
26. Competencies for Communication Skills, Mid-State-Wisconsin Rapids
27. In-Service Needs for Home Economics Teachers, UW-Madison

## NEW PROJECTS FUNDED:

1. Sociological and Psychological Impacts on Women, UW-Stout, Menomonie
2. Adult Educator Competencies, UW-Stout, Menomonie
3. Employer-Employee Evaluation of Ag. Pole Bldg., SWTI, Fennimore
4. Model for Correspondence Study, GTI, Kenosha
5. Data Processing Machine Operations Curriculum, GTI, Kenosha
6. Manual for Social Benefits and Costs, UW-Stout, Menomonie
7. Competencies Common to Two or More Jobs, UW-Stout, Menomonie
8. Career Education, DRI, Wis. Rapids
9. Multi-Lateral Vocational Project, DPI, Oshkosh
10. I. E. Curriculum Development, DPI, Clintonville
11. Health Occupations Education Project, DPI, Shawano
12. Project Investment, DPI, Madison
13. Accounting II, DPI, Boyceville
14. Inter-District Vocational Education, CESA 13, Waupun

Wisconsin

RESEARCH RELATED ACTIVITIES:

1. Determined Research Priorities through survey of 360 district and local post-secondary district administrators using a five-point Likert-type scale. Ranked 42 priority items by mean values. Requests for Proposals (RFP's) were issued for top 10 items and projects approved for 8 of the 10 contingent upon availability of funds. The consortia approach is being used for most of the research projects.
2. Implementation of recommendations resulting from Assessment of Impact of RCU by Ohio State University.

PROJECTS AND ACTIVITIES PLANNED:

1. Study of Performance Levels for Job Entry in Selected Occupations.
2. Study of Student Attrition in VTAE System.
3. Study of Barriers to Enrollments in VTAE System.
4. Investigation of Open Entry/Open Exit Educational Programs.
5. Development of Guidelines for an Adult Counseling Program.
6. Evaluation Model for Field Services Programs.
7. Exemplary Year-Round Education.
8. Curriculum Articulation.
9. Statewide Planning for Professional Development Under EPDA.
10. Field Experiences for Teacher Educators Under EPDA.

WYOMING

Richard W. Rowles, State Director of Vocational Education  
Richard W. Rowles, RCU Director

PROJECTS COMPLETED:

1. Agriculture-Dissemination, Converse Co. S. D. #1, Douglas
2. Comprehensive Occ. Study Program, Goshen Co., S. D. #1, Torrington
3. Evaluation of Small Community Vocational Education Program, Sheridan Co., S. D. #3 Clearmont
4. Facilities Study, Washakie Co. S. D. #1 Worland
5. Mini-Workshop in Elementary Construction, Laramie Co. Community College, Cheyenne.

NEW PROJECTS FUNDED:

NONE

RESEARCH RELATED ACTIVITIES:

1. A dissemination system for agriculture/agribusiness occupational education is a program to establish a dissemination process where other students, teachers, administrators and representatives from agricultural industry may know what is happening in agribusiness occupational education. A method of communication device will be developed to share ideas and successful educational experience with others.
2. Research activities with 131(b) monies were utilized to develop an agriculture-dissemination system in Converse County, Douglas, Wyoming

PROJECTS AND ACTIVITIES PLANNED:

1. To encourage and support projects in local districts study new multi-use occupational buildings
2. To conduct follow-up and placement studies in the local districts
3. To support studies in dissemination of materials to avoid duplication
4. To support projects that will improve the quality of teaching in occupational education in Wyoming.

AMERICAN SAMOA

David R. Lynn, Director of Vocational Education  
Pat Benioni, RCU Director

NO REPORT RECEIVED

116

120

GUAM

Duane I. Pierce, Director of Vocational Education  
Duane I. Pierce, RCU Director

NO REPORT RECEIVED

117  
121

**PUERTO RICO**

**Jose Lema Moya, Director of Vocational Education**  
**Vidal Velez, RCU Director**

**PROJECTS COMPLETED:**

1. Follow-up Study of Vocational Graduates for the year 1973-74, RCU
2. Business Vocabulary Count in Spanish, RCU
3. Cooperative Program for the Improvement of Leadership in Vocational Education Program, RCU
4. In-service Training Program for Industrial Coordinators of the Vocational and Technical Education Program, Inter-agency Relations Office
5. In-service Training for Educational Personnel Assigned to the New Curriculum Centers at the Area Vocational Schools, RCU
6. In-service Training for Home Economics and Industrial Arts Teachers in New Concepts and Techniques in the Teaching for Handicapped Students, Home Economics
7. In-service Training Program for Distribution and Marketing Teachers in Sales Promotion and Merchandise Display, Distribution and Marketing
8. In-service Training to Acquaint School Directors and Supervisors with Course - "Introduction to Technology of Occupations", RCU

**NEW PROJECTS FUNDED:**

1. Evaluation of the Health Related Occupations Program RCU
2. Follow-up study of Associate Degree Graduate Students in Post-Secondary Institutes sponsored by Higher Education Council

**RESEARCH RELATED ACTIVITIES:**

1. The semiannual report to the USOE for the period of July to December 1974 was prepared
2. The State Vocational and Technical Education Annual Plan for School Year 1975-76 was revised
3. The Data for the State Vocational and Technical Education Annual Report for School Year 1974-75 was compiled

## Puerto Rico

4. The Semiannual report to the Commonwealth Planning Board was prepared
5. The Curriculum Development Plan for 1975-76
6. The State Professional Development Action Plan for 1975-76 was prepared
7. A final and an evaluation report of the Component for the Curriculum development and utilization at the Area Vocational Schools in Puerto Rico was prepared in coordination with the External Resource Office
8. A total of 1,925 learning modules for 21 occupations have been developed in the curriculum centers attached to four Area Vocational Schools under the Emergency School Aid Act project
9. The Four-Year Curriculum Development Plan was completed
10. The annual report of the RCU for the school year 1974-75 was prepared in English and in Spanish
11. Proposal for the Establishment of a Shipbuilding Skills Training Center in the Ponce Area
12. Proposal for an Addendum to Extend an Exemplary Program in Vocational Education
13. Proposal for the Development of a Comprehensive Curricula in Environmental Education for Puerto Rico
14. Proposal for the Development of an Exemplary Project on Bilingual Occupational Education adapted to the Calendar School Year
15. Proposal for a Demonstration Project to Determine the Effectiveness of the Safe Performance Secondary Schools Driver Education Curriculum in Puerto Rico
16. Proposal for the Establishment of a Delivery System of Occupational Education Services to Unemployed or Underemployed Youths and Adults in Puerto Rico
17. Proposal for a Training Program to Improve the Quality of Services Rendered by the Tourism Industry in Puerto Rico
18. Proposal for the Establishment of Vocational Curriculum, Information, Reproduction and Dissemination Centers

19. Proposal for Technical Assistance for the Development and Implementation of an Individualized Instructional Programmed Course for Vocational and Technical Educators
20. Proposal for the Vocational Training of Seasonal and Migrant Farm Workers as Welders, Mechanics, Cooks, Plumbers, Agricultural Workers, Shipping and Receiving Clerks, Artificial Inseminators, Dairy Cows Caretakers, Coffee Machinery Operators and Marketing Techniques
21. Proposal for Requesting Funds for FY 1975-76 under the Provisions of Title I, Elementary and Secondary Education Act of 1965-Public Law 89-10
22. Proposal for the Development of an Intensive Training Program in Specialized Welding Techniques
23. Proposal for the Expansion of the High School Driving Education Program with Emphasis on Pedestrian Safety at Selected High Schools in the Mayaguez, Arecibo and San Juan Educational Region
24. Proposal for a Pilot Project for the Establishment of a Specialized Center in Occupational Business Education at the Central High School
25. Proposal for the Expansion of a Driver Education Program in the Public High Schools of Puerto Rico

PROJECTS AND ACTIVITIES PLANNED:

1. Curriculum Development for the Vocational and Technical Education Programs Adapted to the Extended Calendar School Year
2. Development of an Exemplary Career Education Comprehensive Program in the Regular and the Vocational and Technical Education Program in Puerto Rico, Regular Education Program and Vocational and Technical Education Program
3. A Model State Pedagogical Resources Center for Designing, Producing, Testing, Revising and Disseminating Teaching, Audiovisual and other Educational Materials for Students of Regular, Special and Post-Secondary Programs for Vocational and Technical Education in Puerto Rico, San Juan Educational Region
4. Evaluation Project for the Business Education and Distribution and Marketing Program, RCU

Puerto Rico

5. Technical Assistance for the Development and Implementation of an Individualized Instructional Programmed Course for Vocational and Technical Educators, RCU
6. Establishment of a Vocational and Adult Education Department at the University of Puerto Rico, RCU/UPR
7. Preparation of final reports of each subproject developed during Fiscal Year 1974-75
8. Preparation of a descriptive report and a financial report of all the EPDA activities developed during Fiscal Year 1974-75
9. Development of a Research Project to provide the RCU with capability for retrieval and utilization of computer data required for planning and evaluation
10. Development of a Comparative Study of the Effectiveness of Modular Instruction and Conventional Methods of Technical Farm Credit and Total Money Management
11. Continue with the Establishment of the Management Control System (PERT) in all Vocational and Technical Education Programs
12. Continue the Analysis of Occupational Demand and Occupational Enrollment Projections for the Vocational and Technical Education Program
13. Continue with the Implementation of a Management Information System (MIS) for the Vocational-Technical Education Program Phase II
14. Continue the Development of a Study on Training Needs for Specialized Vocational Agriculture in Puerto Rico
15. Development of a study to determine competency needs of vocational education teachers in Area Vocational Schools
16. Development of a computerized follow-up study of vocational and technical education graduates 1975-76
17. Continue the evaluation study of the Health Related Occupations Program
18. Development of a study to evaluate the level of proficiency desired and possessed by secondary trade and industrial area vocational schools teachers in selected professional competencies

Puerto Rico

19. Continue the development of an exemplary career education comprehensive program in the academic and vocational-technical education programs
20. Organization of Model Demonstration and Observation Centers in Individualized Instruction for Occupational Education in the following Area Vocational Schools: Guayama, Mayaguez, Rio Piedras (Miguel Such) and Carolina
21. Continue supporting professional development pre-service and in-service training programs for vocational and technical education personnel
22. Maintain and support curriculum centers to develop, revise, test and adapt curriculum materials for the different programs at different area vocational schools
23. Continue the development of career education curriculum materials in 40 occupations within occupational clusters for the Vocational and Technical Education Program
24. Provide individual or group counseling services to urban or rural students at all levels
25. Continue supporting an Inter-Agency Relations Office

TRUST TERRITORIES OF THE PACIFIC ISLANDS

Neal W. Baker, Director of Vocational Education  
Neal W. Baker, RCU Director

NO REPORT RECEIVED

**VIRGIN ISLANDS**

**Allen Royster, Acting Director of Vocational Education**  
**Allen Royster, RCU Director**

**NO REPORT RECEIVED**